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ANDORRA  
HAND-BOOK  
OF  
TREES & SHRUBS







# ANDORRA HAND-BOOK OF TREES & SHRUBS



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# INTRODUCTION

*W*E DO NOT have to be scientists to recognize the value of trees to life. From the scientist we can (and ought to) learn of this vital relationship between the life-giving sun and chlorophyll—the substance which gives the green color to vegetation. We should know that on this relationship all life on this planet depends.

Most of us will store such facts away in the recesses of our minds and gratefully add them to our store of general knowledge and culture. We shall then go about our business of living, seldom thinking of trees as great engines in the tremendous laboratory of Nature, but rather as familiar and precious companions of our daily life, demanding little, giving much.

Without benefit of clergy or scientist, we discover for ourselves that trees are of the utmost importance to us; that they minister to our needs in a thousand material ways; that they spread their arms to protect and comfort us; and that they fill our world with an amazing beauty, ever changing, forever inspiring.

A force of such value to the race, a phase of our social economy so important, demands a special attention and study; calls for the creation of a group of men who, by their devotion to their subject, shall be able to speak with authority on it and bring together the great army of seekers and the things they seek. And so the business of studying trees, of growing and distributing them, has risen to the plane of a high and inspired calling. It has aroused the interest and furnished a career for some of our best minds. The late Charles S. Sargent, whose rich and cultured personality could have adorned almost any profession, chose this as his life work, and has left us a monument to his devotion in the Arnold Arboretum.

Is it not possible that such men as he, through the harmony of their own personal pleasure and absorption in the pursuit of their objectives, have heard a dim cry from far down the line such as is related by Mr. Donald Culross Peattie

# EVERGREEN TREES

THOSE of us who pass most of our lives in the temperate regions of our land are fortunate in the fact that we can experience the influence and enjoy the beauty of Evergreen Trees. Wonderful are the mantles of beauty they spread out for us. There are the peculiar beauties of the Scrub Pine woods of New Jersey; of the stately groves of Hemlock on our eastern hills; of the magic depths of New Hampshire White Pine forests; of the marshaled ranks of Douglas Fir breasting the slopes of the Sierras to stem the attack of snow and ice and wind.

Our climate will permit the soft, exotic beauty of Japanese and Chinese species and many from the Old World whose stories are as old as recorded history.

We may not know their life histories, we may be ignorant of their economic values, but we do know that in our wide landscapes and in our intimate homelands they bring to us a great refreshment and a belief in the dependable solidity of the natural world.

## ABIES • *The Firs*

We can always count on the Firs to maintain throughout their lives a decidedly pyramidal form. We can always count on their hardiness. The effect is of sturdiness and opulence.

	APPROX. HEIGHT AT MATURITY	COLOR	TEXTURE	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
A. CONCOLOR (White Fir) . . . . .	100 ft.	Glaucous green	Soft	Long	Sun and good soil	Long, flat needles
A. NORDMANNIANA (Nordmann Fir) . . . . .	100 ft.	Very dark green	Moderately fine	Long	Sun and good soil	Very rich color
A. VEITCHI (Veitch Fir) . . . . .	80 ft.	Light green	Moderately fine	Medium	Sun and good soil	Open grower

## CEDRUS • *The True Cedar*

Ancient species from northern Africa and Asia Minor, bringing to us the interest of old tradition. As they mature they lose the slightly pyramidal form which the young plants take and fling out their branches and assume all sorts of picturesque shapes. Their effect is one of cool richness.

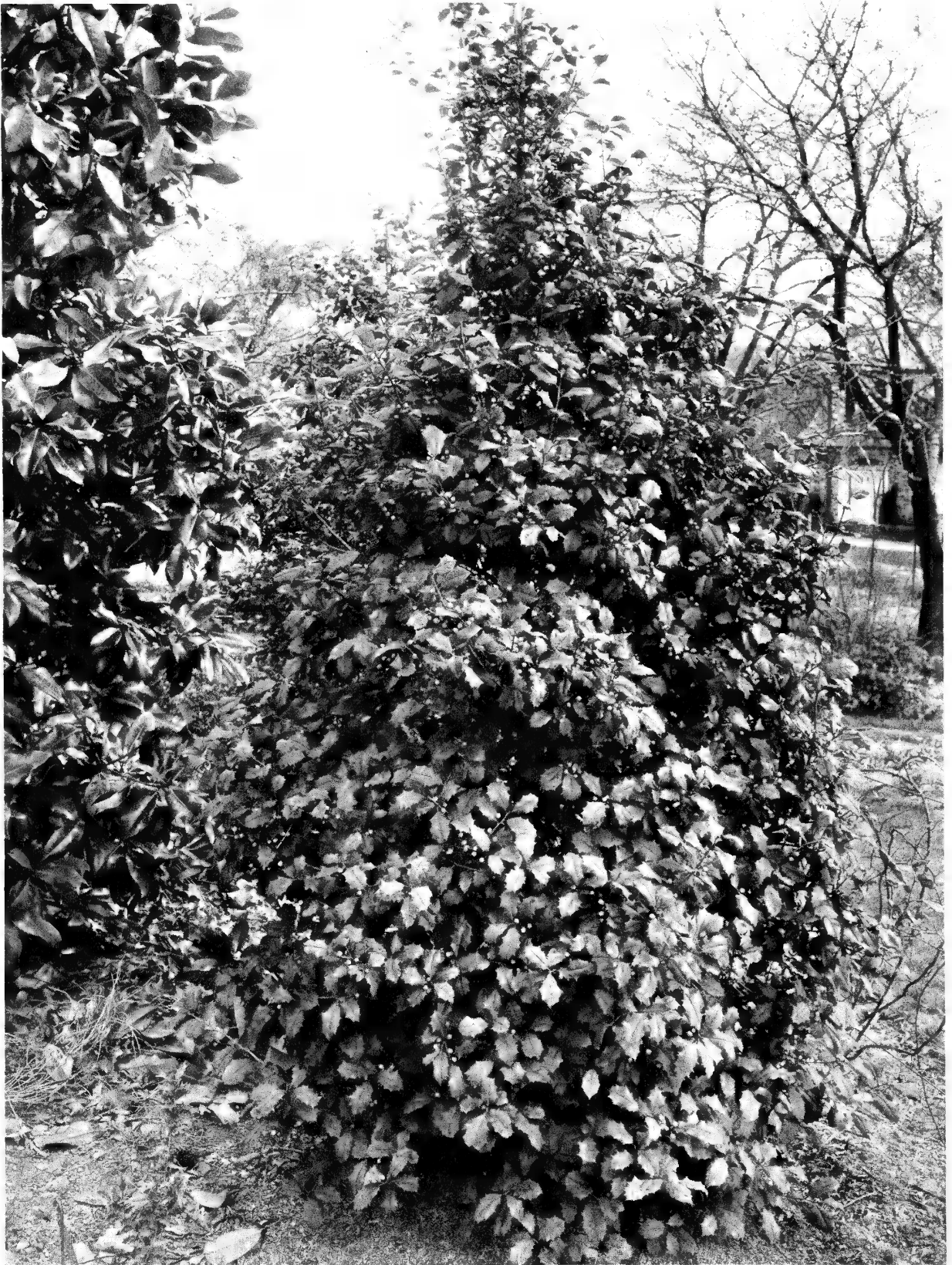
	APPROX. HEIGHT AT MATURITY	COLOR	TEXTURE	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
C. ATLANTICA (Atlas Cedar) . . . . .	100 ft.	Dull green	Fine	Long	Sun and well- drained soil	Very hardy
C. ATLANTICA GLAUCA (Blue Atlas Cedar) . . . . .	100 ft.	Silvery	Fine	Long	Sun and well- drained soil	Very hardy
C. LIBANI (Cedar of Lebanon) . . . . .	100 ft.	Dark green	Fine	Long	Sun and well- drained soil	Very ancient species

## CHAMAECYPARIS • *The Japanese Cypress*

These are really stately forest trees, and attain their real beauty only when considered and planted as such; of loosely pyramidal form with much grace of outline and variety of color and texture.

	APPROX. HEIGHT AT MATURITY	COLOR	TEXTURE	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
C. OBTUSA (Hinoki Cypress) . . . . .	80-100 ft.	Dark green	Crisp	Long	Good soil, sun, partial shade	Fine color
C. OBTUSA GRACILIS (Slender Hinoki Cypress) . . . . .	80-100 ft.	Dark green	Crisp	Long	Good soil, sun, partial shade	Very graceful
C. OBTUSA NANA (Dwarf Hinoki Cypress) . . . . .	12- 15 ft.	Dark green	Crisp	Long	Good soil, sun, partial shade	Rich and shadowy
C. PISIFERA (Sawara Retinospora) . . . . .	80-100 ft.	Light green	Soft	Long	Good soil, sun, partial shade	Fine in old age
C. PISIFERA AUREA (Golden Sawara Retinospora) . . . . .	80-100 ft.	Golden tipped	Soft	Long	Good soil, sun, partial shade	Feathery
C. FILIFERA (Thread Retinospora) . . . . .	50- 60 ft.	Dull green	Thread- like	Medium	Good soil, sun, partial shade	Thread-like foliage

*For additional varieties of Chamaecyparis, see page 9*



*Ilex opaca*

## CHAMAECYPARIS • *The Japanese Cypress, continued*

	APPROX. HEIGHT AT MATURITY	COLOR	TEXTURE	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
C. FILIFERA AUREA (Golden Thread Retinospora) . . . . .	30- 40 ft.	Golden	Thread- like	Medium	Good soil, sun, partial shade	Thread-like foliage
C. PLUMOSA (Plume Retinospora) . . . . .	80-100 ft.	Dull green	Soft	Long	Good soil, sun, partial shade	A real forest tree
C. PLUMOSA AUREA (Golden Plume Retinospora) . . . . .	80-100 ft.	Golden tipped	Soft	Long	Good soil, sun, partial shade	Feathery
C. PLUMOSA ARGENTEA (Silver-tip Retinospora) . . . . .	80-100 ft.	Silver tipped	Soft, fine	Medium	Good soil, sun, partial shade	Dense growth
C. SQUARROSA (Moss Retinospora) . . . . .	50- 60 ft.	Silver- gray	Soft, fine	Medium	Good soil, sun, partial shade	Thick and soft
C. SQUARROSA NANA (Dwarf Moss Retinospora) . . . . .	10- 12 ft.	Gray	Soft, fine	Medium	Good soil, sun, partial shade	Dense foliage

## CRYPTOMERIA • *The Cryptomerias*

Distinctly pyramidal, with a changing shadowy outline; full of the exotic mystery of the Far East. Because the Japanese were wont to line the long, ascending approaches to their temples with them, they are sometimes called the Temple Cedar.

	APPROX. HEIGHT AT MATURITY	COLOR	TEXTURE	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
C. JAPONICA DACRYDIOIDES (Temple Cedar) . . . . .	100 ft.	Bronzy green	Fine	Long	Good soil, sun	Rather open growing
C. JAPONICA LOBBI (Lobb Cryptomeria) . . . . .	100 ft.	Bright green and bronze	Fine	Long	Good soil, sun	Wonderfully rich in effect

## ILEX • *The Hollies*

There is something startling, something incredible about the sight of a full-grown Holly tree aglow with red berries. Our imaginations are stirred by this familiar species, not only because of its association with Christmas spirit and cheer, but by the wonder of its crisp, dominant, year-round personality.

	APPROX. HEIGHT AT MATURITY	COLOR	TEXTURE	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
I. AQUIFOLIUM (English Holly) . . . . .	30-40 ft.	Leaves dark green and silver, berries red	Crisp	Long	Good soil, partial shade	Very shiny leaves
I. OPACA (American Holly) . . . . .	30-40 ft.	Leaves dull green, berries red	Crisp	Long	Good soil, partial shade	Responds to watering and care



*Juniperus chinensis*

## JUNIPERUS . *The Juniper*

A widely varied group—from the conical spires of the Red-Cedar, lurking about our country hedgerows, to the trailing mass of the Prostrate Junipers blanketing the rocks of our upland pastures, they range. There are Juniper trees, Juniper bushes, and almost Juniper vines.

	APPROX. HEIGHT AT MATURITY	COLOR	TEXTURE	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
J. CHINENSIS (Chinese Juniper) . . . . .	40-60 ft.	Pale green	Fine	Medium	Sun, well-drained good soils	Pyramidal habit
J. CHINENSIS FÆMINA (Reeves Juniper) . . .	40-60 ft.	Pale green	Fine	Medium	Sun, well-drained good soils	Pyramidal habit
J. CHINENSIS NEABORIENSIS (Conical Chinese Juniper) . . . . .	10-12 ft.	Pale green	Fine	Medium	Sun, well-drained good soils	Pyramidal habit
J. CHINENSIS PFITZERIANA (Pfitzer Juniper) .	6- 8 ft.	Dull green	Fine	Medium	Sun, well-drained good soils	Spreading habit
J. CHINENSIS SARGENTI (Sargent Juniper) .	Spreading	Pale green	Fine	Short	Sun, well-drained good soils	Low, spreading
J. COMMUNIS DEPRESSA PLUMOSA (Prostrate Juniper) . . . . .	Spreading	Dull green	Fine	Medium	Sun, well-drained good soils	Prostrate habit, purple color
J. COMMUNIS HIBERNICA (Irish Juniper) . .	5- 6 ft.	Deep green	Fine	Medium	Sun, well-drained good soils	Rigidly columnar
J. COMMUNIS HORIZONTALIS DOUGLASI (Waukegan Juniper) . . . . .	Trailing	Pale to dull green	Fine	Medium	Sun, well-drained good soils	Extremely prostrate
J. COMMUNIS SUECICA (Swedish Juniper) . .	15-20 ft.	Bluish green	Fine	Medium	Sun, well-drained good soils	Pyramidal
J. EXCELSA STRICTA (Spiny Greek Juniper) .	15-20 ft.	Glaucous green	Fine	Medium	Sun, well-drained good soils	Pyramidal, spiny
J. JAPONICA (Japanese Juniper) . . . . .	Spreading	Pale green	Fine	Medium	Sun, well-drained good soils	Gracefully pyramidal
J. SABINA (Savin Juniper) . . . . .	8-10 ft.	Dark green	Fine	Short	Sun, well-drained good soils	Loose and open
J. SABINA TAMARISCIFOLIA (Tamarix Savin Juniper) . . . . .	Spreading	Light green	Fine	Medium	Sun, well-drained good soils	Prostrate, silvery sheen
J. SQUAMATA MEYERI (Meyer Juniper) . . .	Spreading	Bluish green	Fine	Medium	Sun, well-drained good soils	Prostrate
J. VIRGINIANA (Red-Cedar) . . . . .	30-40 ft.	Dark green	Fine	Long	Sun, well-drained good soils	Generally columnar
J. VIRGINIANA CANNARTI (Cannart Red-Cedar) . . . . .	30-40 ft.	Dark green	Fine	Long	Sun, well-drained good soils	Compactly columnar
J. VIRGINIANA ELEGANTISSIMA (Goldtip Red-Cedar) . . . . .	30-40 ft.	Dark green, gold tips	Fine	Long	Sun, well-drained good soils	Gracefully pyramidal
J. VIRGINIANA GLAUCA (Silver Red-Cedar) .	30-40 ft.	Bluish green	Fine	Long	Sun, well-drained good soils	Heavy foliage
J. VIRGINIANA PENDULA (Weeping Red-Cedar) . . . . .	30-40 ft.	Dark green	Fine	Long	Sun, well-drained good soils	Slightly weeping form
J. VIRGINIANA SCHOTTI (Schott Red-Cedar) .	20-30 ft.	Dark green	Fine	Long	Sun, well-drained good soils	Columnar, rich color



*Pinus nigra*

## PICEA . *The Spruces*

The towering spires of the Spruces are familiar sights in our eastern American landscape. Many a billowing cloud of canvas has been borne aloft on masts that were once lofty Spruces in the Maine woods. Carloads of Spruce tops roll into our cities at Christmas-time to fulfil a joyful destiny. The character of these trees is just what the common name implies—spruce and neat and definite.

	APPROX. HEIGHT AT MATURITY	COLOR	TEXTURE	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
P. CANADENSIS (White Spruce) . . . . .	50- 60 ft.	Bluish green	Fine	Medium	Mod. sun, moist, good soil	Does best in cooler regions
P. ENGELMANNI (Engelmann Spruce) . . . . .	80-100 ft.	Gray	Medium fine	Long	Mod. sun, moist, good soil	Graceful shapeliness
P. EXCELSA (Norway Spruce) . . . . .	100-120 ft.	Dark green	Medium fine	Long	Mod. sun, moist, good soil	Pyramidal, open growth
P. ORIENTALIS (Oriental Spruce) . . . . .	80-100 ft.	Dark green	Very fine	Long	Mod. sun, moist, good soil	Graceful dense pyramid
P. POLITA (Tigertail Spruce) . . . . .	70- 80 ft.	Deep green	Stiff	Long	Mod. sun, moist, good soil	Strong sharp needles
P. PUNGENS (Colorado Spruce) . . . . .	70- 80 ft.	Pale green	Medium stiff	Long	Mod. sun, moist, good soil	Shapely, vigorous
P. PUNGENS GLAUCA (Blue Colorado Spruce)	70- 80 ft.	Bluish green	Medium stiff	Long	Mod. sun, moist, good soil	Shapely, vigorous
P. PUNGENS KOSTERI (Koster Blue Spruce) .	70- 80 ft.	Silvery	Medium stiff	Long	Mod. sun, moist, good soil	Shapely, vigorous

## PINUS . *The Pines*

The Pines would probably be voted the most useful, the most comforting, the best loved of all the Evergreen Trees. They fling the breath of health upon the air, they make music of the wind, and stand guard over our homesteads from generation to generation. The Pines maintain throughout their long lives their character of strength and beauty and freedom.

	APPROX. HEIGHT AT MATURITY	COLOR	TEXTURE	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
P. BANKSIANA (Jack Pine) . . . . .	40- 50 ft.	Bright green	Stiffly fine	Medium	Well-drained soil, sun	Short needles, open growth
P. CEMBRA (Swiss Stone Pine) . . . . .	40- 50 ft.	Bright green	Medium soft	Long	Well-drained soil, sun	Narrowly conical
P. DENSIFLORA UMBRACULIFERA (Japanese Umbrella Pine) . . . . .	10- 12 ft.	Bright green	Medium soft	Medium	Well-drained soil, sun	Flat tops, reddish stems
P. EXCELSA (Himalayan Pine) . . . . .	100-120 ft.	Bluish green	Large scale, pliant	Long	Well-drained soil, sun	Extremely long needles
P. KORAIENSIS (Korean Pine) . . . . .	60- 80 ft.	Bright green	Medium	Long	Well-drained soil, sun	Dense foliage, slow growth
P. MONTANA (Swiss Mountain Pine) . . . . .	10- 12 ft.	Bright green	Medium crisp	Medium	Well-drained soil, sun	Low growing, ragged in outline
P. MONTANA MUGHUS (Mugho Pine) . . . . .	6- 8 ft.	Bright green	Medium crisp	Medium	Well-drained soil, sun	Dwarf and dense

*For additional varieties of Pinus, see page 15*



*Sciadopitys*

## PINUS • *The Pines*, continued

	APPROX. HEIGHT AT MATURITY	COLOR	TEXTURE	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
P. NIGRA (Austrian Pine) . . . . .	60- 80 ft.	Dark green	Stiff, coarse	Long	Well-drained soil, sun	Large scale, conical
P. RESINOSA (Red Pine) . . . . .	50- 60 ft.	Dark green	Flexible, coarse	Long	Well-drained soil, sun	Long needles, open growth
P. STROBUS (White Pine) . . . . .	80-100 ft.	Bluish green	Soft	Long	Well-drained soil, sun	Soft foliage, noble form
P. SYLVESTRIS (Scotch Pine) . . . . .	50- 60 ft.	Pale green	Medium fine	Medium	Well-drained soil, sun	Open growth, red bark
P. THUNBERGI (Japanese Black Pine) . . . . .	80-100 ft.	Dark green	Medium soft	Long	Well-drained soil, sun	Assumes unusual forms

## PSEUDOTSUGA • *The Douglas Fir*

From the rigorous regions of Northwest America, where it is still the No. 1 lumber tree of the country, the Douglas Fir has come east and taken an honored place in the very forefront of our desirable species. Its more or less pyramidal form has vigor, grace, and refinement; fullness and richness of growth.

	APPROX. HEIGHT AT MATURITY	COLOR	TEXTURE	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
P. DOUGLASI (Douglas Fir) . . . . .	100-150 ft.	Dark green to bluish green	Soft	Long	Well-drained light soil, sun	Unexpectedly graceful

## SCIADOPITYS • *The Umbrella Pine*

Like its fellow countryman, the cryptomeria, this lovely tree has all the arresting, exotic appeal to the imagination of most things Japanese. As in the case of the former, we are always surprised at its absolute hardness. Anything so softly rich must surely belong to milder climates than ours! Its form is roughly pyramidal, never severely or uncomfortably so.

	APPROX. HEIGHT AT MATURITY	COLOR	TEXTURE	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
S. VERTICILLATA (Umbrella Pine) . . . . .	60-80 ft.	Deep green	Moderately large scale but soft	Long	Good soil with constant supply of moisture, sun	Broad leaf-like needles



*Taxus cuspidata*

## TAXUS . *The Yews*

The Yews never disappoint us. Their sterling character persists through thick and thin. They will carry on under extremely adverse conditions and respond gratefully to attention and care. The variation in form and habit of growth is astonishing, and yet, be it the prostrate rosette of the spreading English Yew or the close-folded erectness of the Irish Yew, it is unmistakably Yew.

	APPROX. HEIGHT AT MATURITY	COLOR	TEXTURE	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
T. BACCATA (English Yew) . . . . .	30-40 ft.	Dark green	Fine	Long	Good soil, moist, sun or partial shade	Broad and stately
T. BACCATA ADPRESSA (Short-leaved English Yew) . . . . .	10-12 ft.	Dark green	Fine	Long	Good soil, moist, sun or partial shade	Very short needles
T. BACCATA AUREA (Golden English Yew) . . . . .	20-25 ft.	Golden yellow	Fine	Long	Good soil, moist, sun or partial shade	Broad form
T. BACCATA CHESHUNTENSIS (Cheshunt Yew) . . . . .	12-15 ft.	Dark green	Fine	Long	Good soil, moist, sun or partial shade	Broad form
T. BACCATA ERECTA (Broom Yew) . . . . .	8-10 ft.	Dark green	Fine	Long	Good soil, moist, sun or partial shade	Bushy form
T. BACCATA ERECTA AUREA (Golden Broom Yew) . . . . .	12-15 ft.	Golden	Fine	Long	Good soil, moist, sun or partial shade	Bushy form
T. BACCATA FASTIGIATA (Irish Yew) . . . . .	10-12 ft.	Dark green	Fine	Long	Good soil, moist, sun or partial shade	Slow-grow- ing, pyramidal
T. BACCATA REPANDENS (Spreading English Yew) . . . . .	3- 4 ft.	Dark green	Fine	Long	Good soil, moist, sun or partial shade	Low, spreading
T. BACCATA WASHINGTONI (Washington Yew) . . . . .	10-12 ft.	Golden	Fine	Long	Good soil, moist, sun or partial shade	Bushy form
T. BREVIFOLIA (Pacific Yew) . . . . .	20-25 ft.	Dark green	Fine	Long	Good soil, moist, sun or partial shade	Small clustered needles
T. CANADENSIS (Canadian Yew) . . . . .	2- 3 ft.	Dark green	Fine	Long	Good soil, moist, sun or partial shade	Low, open growth
T. CUSPIDATA (Japanese Yew) . . . . .	20-25 ft.	Dark green	Fine	Long	Good soil, moist, sun or partial shade	Rapid- spreading growth
T. CUSPIDATA CAPITATA (Upright Japanese Yew) . . . . .	20-25 ft.	Dark green	Fine	Long	Good soil, moist, sun or partial shade	Loosely pyramidal
T. CUSPIDATA FASTIGIATA (Andorra Upright Yew) . . . . .	15-20 ft.	Dark green	Fine	Long	Good soil, moist, sun or partial shade	Dense upright growth
T. CUSPIDATA MEDIA HICKSI (Hicks Yew) . . . . .	10-12 ft.	Dark green	Fine	Long	Good soil, moist, sun or partial shade	Densely pyramidal



*Hemlock Hedge*

## THUJA - *The Arborvitæ*

When we think of something "old-fashioned" we think of *Arborvitæ*; when we think of something uncompromisingly and narrowly pyramidal we think of *Arborvitæ*. They are sensitive to the changes in the seasons. In Spring they are brightly, freshly green; in Winter, a bronzy brown.

	APPROX. HEIGHT AT MATURITY	COLOR	TEXTURE	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
T. OCCIDENTALIS (American <i>Arborvitæ</i> ) . . .	30-40 ft.	Bright green	Firm	Long	Moist loam, sun	Loosely pyramidal
T. OCCIDENTALIS DOUGLASI (Douglas <i>Arborvitæ</i> ) . . . . .	30-40 ft.	Dark green	Crisp	Medium	Moist loam, sun	Crisp curling foliage
T. OCCIDENTALIS GLOBOSA (American Globe <i>Arborvitæ</i> ) . . . . .	4- 5 ft.	Light green	Firm	Medium	Moist loam, sun	Dwarf rounded form
T. OCCIDENTALIS HOVEYI (Hovey <i>Arborvitæ</i> ). . . . .	5- 6 ft.	Bright green	Firm	Medium	Moist loam, sun	Dwarf rounded form
T. OCCIDENTALIS LUTEA (George Peabody <i>Arborvitæ</i> ) . . . . .	20-30 ft.	Bright yellow	Firm	Medium	Moist loam, sun	Densely pyramidal
T. OCCIDENTALIS PLICATA (Moss <i>Arborvitæ</i> ). . . . .	20-30 ft.	Bronzy dark green	Solid	Medium	Moist loam, sun	Open growth
T. OCCIDENTALIS PYRAMIDALIS (American Pyramidal <i>Arborvitæ</i> ) . . . . .	30-40 ft.	Bright green	Firm	Long	Moist loam, sun	Densely pyramidal
T. OCCIDENTALIS ROSENTHALI (Rosenthal <i>Arborvitæ</i> ) . . . . .	30-40 ft.	Bright green	Loose, sparkling	Long	Moist loam, sun	Open growth
T. OCCIDENTALIS VERVÆNEANA (Vervæne <i>Arborvitæ</i> ) . . . . .	30-40 ft.	Yellowish green	Mod. loose	Long	Moist loam, sun	Dense foliage
T. OCCIDENTALIS WAREANA (Ware <i>Arborvitæ</i> ) . . . . .	20-30 ft.	Bluish green	Firm	Long	Moist loam, sun	Dense and rugged
T. ORIENTALIS (Oriental <i>Arborvitæ</i> ) . . . . .	15-20 ft.	Dark green	Soft	Medium	Moist loam, sun	Thread-like foliage, upright growth
T. ORIENTALIS AUREA CONSPICUA (Goldspire <i>Arborvitæ</i> ) . . . . .	4- 5 ft.	Golden	Firm	Medium	Moist loam, sun	Dense and upright
T. ORIENTALIS AUREA NANA (Berckman Golden <i>Arborvitæ</i> ) . . . . .	3- 4 ft.	Golden	Firm	Medium	Moist loam, sun	Dwarf, conical
T. STANDISHI (Standish <i>Arborvitæ</i> ) . . . . .	15-20 ft.	Light green	Mod. loose	Medium	Moist loam, sun	Broadly columnar

## TSUGA - *The Hemlocks*

This is the evergreen, *par excellence*, of grace and dignity. It is an unassuming aristocrat among its fellow species in northern woods and southern valleys. It is undaunted in its service to man, but serves him best perhaps as a thing of beauty about his habitations.

	APPROX. HEIGHT AT MATURITY	COLOR	TEXTURE	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
T. CANADENSIS (Canada Hemlock) . . . . .	50-60 ft.	Dark green	Fine	Long	Good soil, moist, sun and partial shade	Softly graceful
T. CANADENSIS SARGENTI (Sargent Weeping Hemlock) . . . . .	10-12 ft.	Dark green	Fine	Long	Good soil, moist, sun and partial shade	Flat, drooping habit
T. CAROLINIANA (Carolina Hemlock) . . . . .	50-60 ft.	Dark green	Fine	Long	Good soil, moist, sun and partial shade	Dense rich foliage
T. DIVERSIFOLIA (Japanese Hemlock) . . . . .	50-60 ft.	Dark green	Fine	Long	Good soil, moist, sun and partial shade	Crisp dense foliage



# EVERGREEN SHRUBS

THE Evergreen Trees—the great Pines and Hemlocks, the Spruces and Firs—are, to us, like our houses. They furnish the walls, the roof, the chimneys to our visible world.

The Evergreen Shrubs in all their rich and sparkling beauty are like the pictures we have on our walls, the rugs we spread upon our floors. They furnish the bright and intimate accessories with which we love to surround ourselves.

We all find a peculiar, personal kind of pleasure in looking at a brilliant jewel. We like to handle it, watch the play of light upon its many facets, and try to fathom its subtilities of color. We should like to own it and keep it where we can look at it when we will.

It is the same sort of pleasure we experience with the Evergreen Shrubs. We like to have them near us—near enough to see from our windows—in the garden, by the terrace, at the foot of the old gray wall, reflected in the mirror of the pool.

We are grateful to them for being so close to us in scale, and for holding the balance for us between the haughty aloofness of the conifers and the faithful ubiquity of the deciduous trees.



*Azaleas*

## AZALEA • *The Evergreen Azalea*

These remarkable shrubs are bursting with energy throughout most of the year. This energy reaches its highest point of expression in early Spring when the plants fling on their mantles of sheer color—pink, purple, white, red. In this respect they are not surpassed by any other blooming plant.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	REMARKS
A. AMOENA (Amoena Azalea) . . . . .	5-6 ft.	Purple	May	Woodsy humus	Browns in winter
A. HINODEGIRI (Hinodegiri Azalea) . . . . .	3-4 ft.	Carmine-pink	May	Woodsy humus	
A. HINOMAYO (Kurume Azalea) . . . . .	3-4 ft.	Pink	May	Woodsy humus	
A. INDICA (India Azalea) . . . . .	4-5 ft.	Pure white	May	Woodsy humus	
A. INDICA ROSEA (Sakidera Azalea) . . . . .	4-5 ft.	Blush-pink	May	Woodsy humus	
A. JAPONICA (Japanese Azalea) . . . . .	5-6 ft.	Red	April, May	Woodsy humus	
A. JAPONICA ALBA (Amethyst Azalea) . . . . .	5-6 ft.	White	April, May	Woodsy humus	Fragrant
A. LEDIFOLIA (Snow Azalea) . . . . .	2-3 ft.	Snow-white	May	Woodsy humus	
A. LEDIFOLIA, FUJI-MOYO (Fuji-Moyo Azalea) . . . . .	2-3 ft.	Deep lavender	May	Woodsy humus	
A. YODOGAWA (Yodogawa Azalea) . . . . .	3-4 ft.	Rosy lilac	May	Woodsy humus	

## BERBERIS • *The Evergreen Barberries*

The shiny, prickly foliage, the subtle changes of color with the seasons, the irregularity of form are among the attractions of these little evergreen plants.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	REMARKS
B. JULIANÆ (Wintergreen Barberry) . . . . .	4-5 ft.	Yellow	April	Good loam	Bluish black fruit
B. VERRUCULOSA (Warty Barberry) . . . . .	2-3 ft.	Yellow	April	Protected	Black fruit, fragrant

## BUXUS • *Box*

No plant is better known or more deeply regarded than the Box. It is redolent of the best-loved periods of our past, and fills us with hope for the future by its patient persistence—its reminders of the permanence of beauty.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	REMARKS
B. JAPONICA (Japanese Box) . . . . .	4-5 ft.	Inconspicuous		Rich loam	Open growth, pale green
B. SEMPERVIRENS (Common Box) . . . . .	4-5 ft.	Inconspicuous		Rich loam	Dark green
B. SEMPERVIRENS ARGENTEA (Silver Box) . . . . .	4-6 ft.	Inconspicuous		Rich loam	Foliage silver tipped
B. SEMPERVIRENS SUFFRUTICOSA (True Dwarf Box) . . . . .	Dwarf, 2 ft.	Inconspicuous		Rich loam	English Box slow growth



*Cotoneaster horizontalis*

## COTONEASTER • *The Cotoneasters*

Small, brilliantly colored leaves; abundant jewel-like fruits give a year-round sparkle to these lovely plants. Their growth is like the gentle flow of water over smooth stones.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	REMARKS
C. FRANCHETI (Franchet Cotoneaster) . . .	4- 5 ft.	Pink	June	Well-drained soil	Extreme grace of form
C. HORIZONTALIS (Rock Cotoneaster) . . .	6-12 in.	Pink	June	Well-drained soil	Creeping habit
C. HORIZONTALIS PERPUSILLA (Dwarf Rock Cotoneaster) . . . . .	6-12 in.		May, June	Well-drained soil	Trailing habit
C. MICROPHYLLA (Rock-spray Cotoneaster).	2½ ft.	White	May	Well-drained soil	Scarlet fruit

## DAPHNE • *The Garland Flower*

Delicacy and fragrance endear the Daphne to us. It is shy and likes to stay close to the ground. It needs the care that shy and delicate things require.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	REMARKS
D. CNEORUM (Rose Daphne) . . . . .	6-12 in.	Rose	April and September	Peaty, open soil	Unfailing fragrance

## EUONYMUS • *The Evergreen Euonymus*

A full, spreading bush—a rich and lush green which stands sturdily against all but the severest frosts.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	REMARKS
E. PATENS (Spreading Euonymus) . . . . .	5-6 ft.	White	June, July	Well-drained good soil	Interesting fall berries of orange hue

## ILEX • *The Japanese Hollies*

These green shrubs are unsurpassed in grace and what we think of as quality. In their display of the beauty of form and the vigor of forthright character, they never flag.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	REMARKS
I. CRENATA (Japanese Holly) . . . . .	6- 7 ft.	White	June	Peaty soil	Possible winter injury
I. CRENATA BUXIFOLIA (Box-leaf Holly) . .	6- 7 ft.	Inconspicuous	June	Peaty soil	Small box-like foliage
I. CRENATA LATIFOLIA (Broad-leaf Holly) .	12-15 ft.	Inconspicuous	June	Peaty soil	Upright in growth
I. CRENATA MICROPHYLLA (Small-leaf Japanese Holly) . . . . .	5- 6 ft.	Inconspicuous	May, June	Rich, well- drained	Graceful habit, rugged growth
I. CRENATA NUMMULARIA (Yatabe Ilex) . .	4- 5 ft.	Inconspicuous	June	Will grow under adverse cond.	Foliage small and sparkling
I. GLABRA (Inkberry) . . . . .	5- 6 ft.	White	July	Moist, acid soil	Black fruit



*Leucothoe Catesbaei*

## KALMIA • *The Mountain-Laurel*

The Mountain-Laurel is a purely American plant, and the one of which we are perhaps most proud. It has so lovely a bloom and so wide a distribution in our country that it probably has the strongest claim to be chosen as our national flower emblem.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	REMARKS
K. LATIFOLIA (Mountain-Laurel) . . . . .	5-6 ft.	White and pink	May, June	Woodsy loam	Likes partial shade

## LEUCOTHOE • *The Drooping Andromeda*

The pendulous grace of its low branching, the purple, bronze and crimson glow of its Fall foliage, its love of the shaded, out-of-the-limelight places, endears this plant to us.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	REMARKS
L. CATESBÆI (Drooping Leucothoe) . . . . .	2-3 ft.	White	April, May	Woodsy loam	Pendulous habit, semi-shade

## LONICERA • *The Evergreen Privet Honeysuckle*

Here is a plant of very definite pattern, almost prostrate in habit, and of pale green color.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	REMARKS
L. PILEATA (Privet Honeysuckle) . . . . .	Low, trailing	Small, white, inconspicuous		Good soil	Purple fruit in fall

## MAHONIA • *The Oregon Holly-Grape*

Glossy, glittering, holly-like leaves, turning to bronze and crimson in Autumn, clothe this species with a special beauty all its own.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	REMARKS
M. AQUIFOLIUM (Oregon Holly-Grape) . . . . .	2-3 ft.	Yellow	April	Dry, sandy soil	Bronze fall foli- age, black fruit
M. BEALEI (Leather-leaf Holly-Grape) . . . . .	2-3 ft.	Yellow	April	Dry, sandy soil	Fragrant, dark blue fruit

## PACHISTIMA • *The Pachistima*

A low, dark green, little plant of great charm, with needle-like foliage like a tiny bouquet of hemlock twigs.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	REMARKS
P. CANBYI (Canby Pachistima) . . . . .	8-10 in.	White	April, May	Woodsy loam	Thrives in partial shade



*Pieris floribunda*

## PACHYSANDRA • *The Japanese Spurge*

When we long for a green carpet on shady patches of ground where grass will not grow, we always think of this brightly green little plant.

P. TERMINALIS (Japanese Pachysandra) . . .

APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	REMARKS
6-10 in.	White inconspicuous	May	Rich soil	Ground-cover, dense, partial shade

## PIERIS • *The Andromedas*

We can expect an almost continuous performance of interest and brilliance from these lively plants—handsome tassels of bloom followed by seed-pods almost as decorative—bright Summer greens and rich Fall color.

P. FLORIBUNDA (Mountain Andromeda) . . .

P. JAPONICA (Japanese Andromeda) . . . . .

APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	REMARKS
2-3 ft.	Creamy white	April, May	Woodsy loam	Partial shade
4-5 ft.	Creamy white	April, May	Woodsy loam	Partial shade

## PYRACANTHA • *The Firethorns*

Surprising in its varied form of growth, astonishing in its cascade of vivid flame-colored fruit, this plant commands attention and arouses interest wherever it is planted.

P. ANGUSTIFOLIA (Narrow-leaf Firethorn) . . .

P. COCCINEA (Scarlet Firethorn) . . . . .

P. COCCINEA FRUTICO LUTEA  
(Yellow-fruited Firethorn) . . . . .

P. KANSUENSIS (Chinese Firethorn) . . . . .

APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	REMARKS
8-10 ft.	White	May, June	Well drained	Scarlet-orange fruit
8-10 ft.	White	May, June	Well drained	Orange berries
8-10 ft.	Yellow	May, June	Well drained	Yellow fruit
8-10 ft.	White	May, June	Well drained	Orange fruit

## RHODODENDRONS

This is the broad-leaved Evergreen which, without question, leads the plant world in brilliance and richness, and maintains its lead throughout the generations. Its permanent green foliage is the ideal of those who value growing things. Its season of astonishing bloom marks the high tide of our Spring.

### THE NATIVES

R. CAROLINIANUM (Carolina Rhododendron)

R. CATAWBIENSE (Catawba Rhododendron)

R. CATAWBIENSE ALBA  
(White Catawba Rhododendron) . . . . .

R. MAXIMUM (Rosebay Rhododendron) . . .

R. MAXIMUM ROSEUM  
(Pink Rosebay Rhododendron) . . . . .

### THE DWARF

R. MYRTIFOLIUM  
(Myrtle-leaf Rhododendron) . . . . .

R. PUNCTATUM (Piedmont Rhododendron)

R. WILSONI (Wilson Rhododendron) . . . .

APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	REMARKS
6-7 ft.	Pink	May	Woodsy loam	Shady
6-8 ft.	Red and purple	May	Woodsy loam	Moisture
6-8 ft.	White	May, June	Woodsy loam	Moisture
8-10 ft.	Blush	June, July	Woodsy loam	Moisture
8-10 ft.	Pink	July, August	Woodsy loam	Moisture
3-4 ft.	Pink	June	Woodsy loam	Compact
4-5 ft.	Pink	June	Woodsy loam	Open growth
2-3 ft.	Pink	June	Woodsy loam	Pale green foliage

For Hybrid Rhododendron, see page 31



*Rhododendrons*

## RHODODENDRONS, THE HYBRIDS

	COLOR OF BLOOM
R., ABRAHAM LINCOLN . . . . .	Rosy crimson
R. ALBUM ELEGANS . . . . .	Blush-white
R. ALBUM GRANDIFLORUM . . . . .	Blush-white
R., AMPHION . . . . .	Rose-pink
R. ATROSANGUINEUM . . . . .	Dark scarlet
R., BLANDIANUM . . . . .	Watermelon-red
R., BOULE DE NEIGE . . . . .	Dwarf, white
R. CANDIDISSIMUM . . . . .	White
R., CARACTACUS . . . . .	Purple-crimson
R., CHARLES BAGLEY . . . . .	Bright red
R. DELICATISSIMUM . . . . .	White
R. EVERESTIANUM . . . . .	Lavender
R., GENERAL GRANT . . . . .	Red
R., IGNATIUS SARGENT . . . . .	Deep pink
R., KETTLEDUM . . . . .	Deep red
R., LADY ARMSTRONG . . . . .	Pale rose
R., MRS. C. S. SARGENT . . . . .	Pink, dwarf
R., MRS. HARRY INGERSOLL . . . . .	Deep rose-lilac
R., OLD PORT . . . . .	Plum
R., PARSONS' GLORIOSUM . . . . .	Orchid-blush
R., PARSONS' GRANDIFLORUM . . . . .	Deep pink
R. PURPUREUM ELEGANS . . . . .	Purple
R. ROSEUM ELEGANS . . . . .	True pink
R. ROSEUM SUPERBUM . . . . .	Clear soft coral-rose
R., SEFTON . . . . .	Dark maroon
R., STELLA . . . . .	Delicate lilac-rose

## VIBURNUM • *The Evergreen Viburnum*

A Viburnum with rhododendron-shaped leaves, which persist in a state of green until pushed off by the new buds of Spring.

### V. RHYTIDOPHYLLUM

(Leather-leaf Viburnum) . . . . .

APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	REMARKS
8-10 ft.	White	May	Well drained	Partial shade

## VINCA • *The Periwinkles*

This bright, trailing little plant has covered the ground in our gardens and woodlands for generations. Its unfailing green and its delicate blue or white flower cups will still be loved by future generations.

### V. MINOR (Common Periwinkle) . . . . .

### V. MINOR ALBA

(White-flowered Periwinkle) . . . . .

APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	REMARKS
Trailing	Blue	May	Good loam	Shade
Trailing	White	May	Good loam	Shade

## YUCCA • *Adam's Needle*

This is very exotic in character, with sword-like foliage and astonishing spikes of bloom.

### Y. FILAMENTOSA (Common Yucca) . . . . .

APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	REMARKS
1-2 ft.	White	July, August	Well-drained soil	Sunny



*The Oaks*

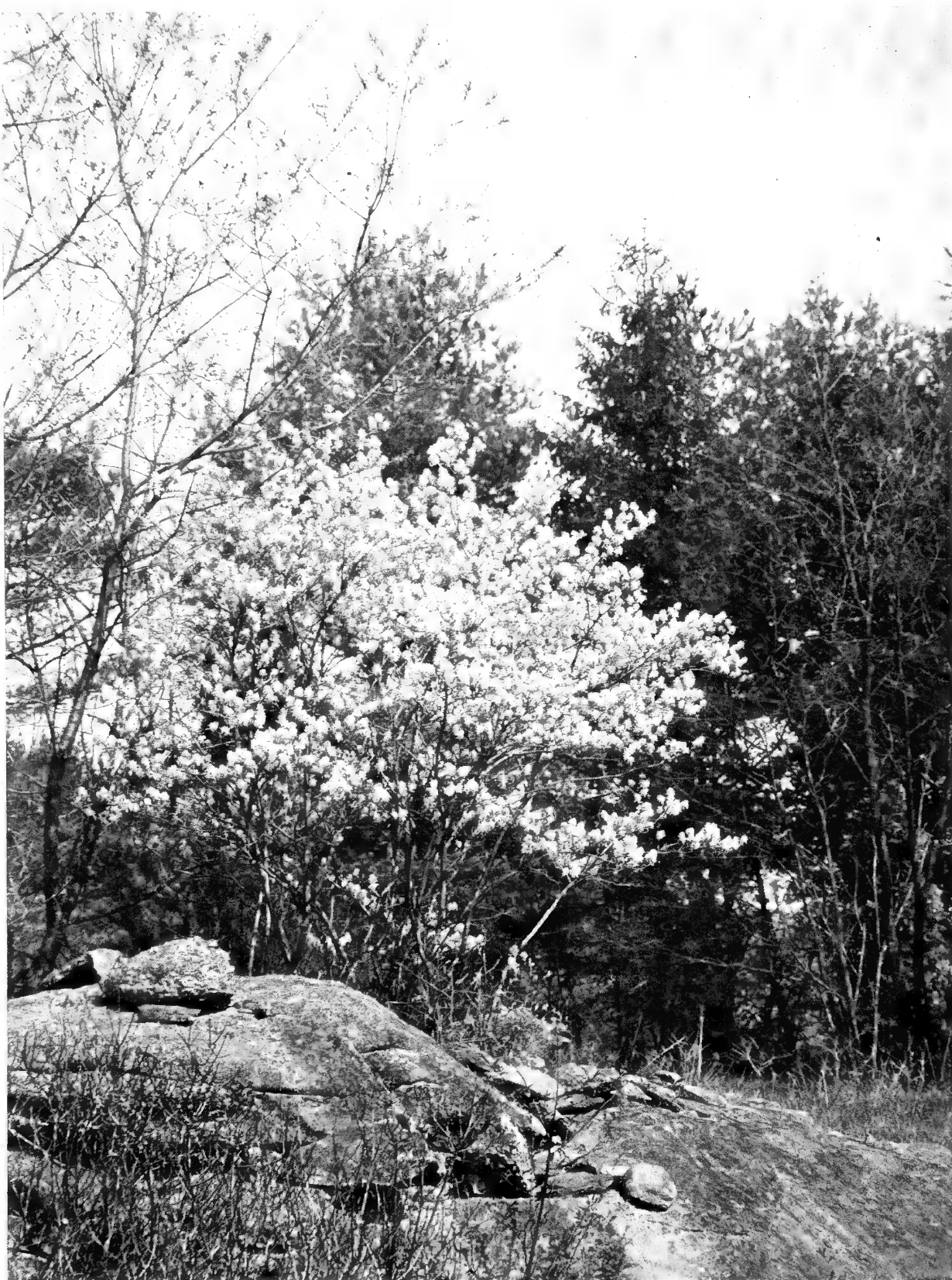
# DECIDUOUS TREES

TOWARD the latter part of Winter there comes a day when we notice a new orange glow on the bristly, bare tops of the Willow trees at the foot of the meadow. A glow within us responds, for we know that the pageant of the trees is about to begin. Soon the Silver Maples will shake out a powdery film of blossoms of creamy brown; the Red Maples will paint the scene with crimson splashes; delicate green mists will steal through the woodlands; the Oaks will turn this mist to a soft pink—the tiny sharp points of emerging leaves. Then, almost in a day, the Maple leaves burst out full grown. The Dogwoods shine in ermine robes, the Apple trees and Hawthorns turn pink and white, and the wind makes a new soft music in the Beeches.

Then come the long, bright days when the cattle seek the shade of the pasture Oaks, and men turn to the woods for refreshment. The world is green with trees.

Ere we weary of this abundant greenness, faint colors begin to flow back across the landscape. The Gums wave red banners, and soon all the rest are falling into line and a conflagration of yellow, red and orange flame is sweeping the land. The embers glow to extinction and the landscape lies before us like a great tapestry done in bronze and gold tones.

Finally the last spark goes out, save under the Beeches and Oaks where the brightness lasts until the snow comes to cover it. Then once more the trees stand bare, revealing the beauty of form, the hidden magic life of bark and twig and bud. And we know it will be so for the generations to come—the pageant of the trees.



*Amelanchier*

## ACER • *The Maples*

This genus is found over most of the temperate portions of the globe. It is one of the most useful and beautiful of them all, in a straightforward, sturdy way—a typical example of the “spreading” shade tree.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
A. DASYCARPUM (Silver Maple) . . . . .	80–100 ft.	Creamy brown	February, March	Medium	Moisture, good soil	Fast-grow- ing soft wood
A. DASYCARPUM WIERI (Wier Maple) . . . . .	80–100 ft.	Greenish yellow	March	Medium	Moisture, good soil	Deeply cut leaves, pendulous
A. GINNALA (Amur Maple) . . . . .	15– 20 ft.	Yellowish white	May	Medium	Good loam	Brilliant fall color
A. NEGUNDO (Box-Elder) . . . . .	30– 40 ft.	Yellowish green	March	Medium	Moisture, good soil	Varied forms of growth
A. PALMATUM (Japanese Maple) . . . . .	15– 20 ft.	Purple	June	Medium	Rich soil	Foliage green, brilliant fall color
A. PALMATUM ATROPURPUREUM (Red-leaf Japanese Maple) . . . . .	8– 10 ft.	Incon- spicuous		Medium	Rich soil	Blood-red foliage
A. PALMATUM ATROPURPUREUM DISSECTUM (Red Thread-leaf Maple) . . . . .	8– 10 ft.	Incon- spicuous		Medium	Rich soil	Deeply cut blood-red foliage
A. PALMATUM DISSECTUM (Thread-leaf Maple) . . . . .	8– 10 ft.	Incon- spicuous		Medium	Rich soil	Green foliage, deeply cut
A. PLATANOIDES (Norway Maple) . . . . .	40– 50 ft.	Yellow	April, May	Medium	Moisture, good soil	Round form, dense shade
A. PLATANOIDES SCHWEDLERI (Schwedler Maple) . . . . .	30– 40 ft.	Reddish purple	April, May	Medium	Moisture, good soil	Round form, reddish bronze foliage
A. RUBRUM (Red Maple) . . . . .	40– 50 ft.	Red	March, April	Medium	Moisture, good soil	Brilliant fall color
A. SACCHARUM (Sugar Maple) . . . . .	50– 60 ft.	Red	April	Long	Good, well- drained soil	Brilliant fall color

## AESCULUS • *The Horse-Chestnuts*

Stately trees, the Horse-Chestnuts, at time of bloom, alight with upstanding candelabra of blossoms distributed in an almost definite pattern over the towering mound of foliage.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
A. CARNEA (Red Horse-Chestnut) . . . . .	30–40 ft.	Red	May, June	Medium	Moisture, good soil	Large sticky bud
A. GLABRA (Ohio Buckeye) . . . . .	25–30 ft.	Greenish white	May	Medium	Moisture, good soil	Brilliant fall foliage
A. HIPPOCASTANUM (Horse-Chestnut) . . . . .	60–75 ft.	White	May, June	Fairly long	Deep, good soil	Fine shade tree
A. HIPPOCASTANUM ALBA-PLENA (Double White Horse-Chestnut) . . . . .	40–50 ft.	White	May, June	Medium	Moisture, good soil	Rich, double flowers

## AMELANCHIER • *The Shadblow*

This is the first of our native trees to bloom. A white mist winds in and out of the woodland's edge in early Spring at the time the shad run up the rivers. The Shadbush is in bloom. The Spring is here.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
A. LÆVIS (Alleghany Shadblow) . . . . .	18–20 ft.	White	April, May	Medium	Woody loam	Fruit attracts birds



*Betula alba*

## AMYGDALUS • *The Flowering Peaches*

These are brilliant blooming trees. The naked branches are completely covered with bright-colored, double flowers.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
A. PERSICA ALBA PLENA (Double White Peach) . . . . .	15-20 ft.	White	April, May	Short	Good loam	Brilliant double bloom
A. PERSICA ROSEA PLENA (Double Pink Peach) . . . . .	15-20 ft.	Pink	April, May	Short	Good loam	Brilliant double bloom
A. PERSICA SANGUINEA PLENA (Double Red Peach) . . . . .	15-20 ft.	Red	April, May	Short	Good loam	Brilliant double bloom

## ARALIA • *The Angelica Trees*

The word which best describes the effect of these trees, both for foliage and flower, is "feathery." The compound leaves give an almost tropical effect.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
A. JAPONICA (Japanese Angelica Tree) . . . . .	20-30 ft.	Whitish	August, September	Short	Dry, average soil	Subtropical effect of foliage
A. SPINOSA (Hercules Club) . . . . .	20-30 ft.	Whitish	August	Short	Dry, average soil	Subtropical effect of foliage

## BETULA • *The Birches*

Cheerfulness and grace are the characteristics for which we love the Birches. They brighten any landscape.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
B. ALBA (European White Birch) . . . . .	40-50 ft.	Yellow	April	Short	Porous, sandy	White bark
B. ALBA LACINIATA (Cut-leaf White Birch) . . . . .	20-30 ft.	Yellow	April	Short	Porous, sandy	Cut-leaf, weeping, graceful
B. LUTEA (Yellow Birch) . . . . .	40-50 ft.	Yellow	April	Short	Damp, good soil	Golden bark
B. NIGRA (River Birch) . . . . .	50-60 ft.	Yellow	April	Medium	Damp, rich soil	Orange shaggy bark
B. PAPYRIFERA (Canoe Birch) . . . . .	40-50 ft.	Yellow	April	Short	Moisture, good soil	Gleaming white paper bark

## CARPINUS • *The Hornbeams*

The Hornbeams resemble the beeches in character and texture of leaf. While they do not attain the stately proportions of the former, they are sturdy and attractive and love the woodland edges.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
C. BETULUS (European Hornbeam) . . . . .	30-40 ft.	Incon- spicuous		Medium	Good soil	Holds leaves late into Winter
C. CAROLINIANA (American Hornbeam) . . . . .	30-40 ft.	Incon- spicuous		Medium	Good soil	Good Fall color, pendulous



*Japanese Flowering Cherry*

## CATALPA • *The Catalpas*

There are three characteristics which make these trees extremely interesting—the large scale of the foliage, the conspicuous, patterned bloom, and the irregular form which the tree takes at maturity.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
C. BIGNONIOIDES (Common Catalpa) . . . . .	20-40 ft.	White, spotted	June, July	Short	Average soil	Long seed-pods
C. BIGNONIOIDES NANA (Umbrella Catalpa)	8-10 ft.	Inconspicuous		Short	Average soil	Extremely weeping head
C. SPECIOSA (Western Catalpa) . . . . .	20-30 ft.	White, spotted, inconspicuous	June	Short	Average	Long seed-pods

## CEDRELA • *The Cedrela Tree*

The compound foliage of the Cedrela and its lush growth make a distinctly subtropical effect.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
C. SINENSIS (Chinese Cedrela) . . . . .	30-40 ft.	White	June	Medium	Good, well-drained soil	Fast-growing, amenable to urban conditions

## CELTIS • *The Hackberries*

This native tree has elm-like leaves and a knobby gray bark of great interest. In Winter it is conspicuous along our hedgerows because of the "witches brooms" formed at the end of the twigs.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
C. OCCIDENTALIS (Hackberry) . . . . .	40-50 ft.	Inconspicuous		Medium	Well-drained average soil	Fruit interesting to birds

## CERASUS • *The Flowering Cherries*

Cherry blossoms mean early Spring to all the world. They cover the dark branches like a new mantle, and call us out of our hibernation upon pilgrimages to the places where they grow. The Japanese, especially, have loved them and have developed wonderful strains which they have sent out to be enjoyed by all lands.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
C. AVIUM ALBA PLENA (Double White-flowering Cherry) . . . . .	20-30 ft.	White	April	Short	Good, well-drained soil	Pure white flowers, black twigs
C. SIEBOLDI (Siebold Cherry) . . . . .	20-25 ft.	Pink	May	Short	Good, well-drained soil	Delicate color
C. SUBHIRTILLA ROSEA PENDULA (Pink Weeping Cherry) . . . . .	25-30 ft.	Pink	April	Medium	Rich soil	Beautiful pendulous form
<b>JAPANESE CHERRIES</b>						
C., AMANOAWA . . . . .		Pink	April, May			
C., GYOIKO . . . . .		Pale yellow	April, May			
C., KWANZAN . . . . .		Pink	May			
C., NADEN . . . . .		Pink	May			
C., SHIROFUGEN . . . . .		White	April, May			



*Cornus florida*

## CERCIDIPHYLLUM • *The Katsura-Tree*

Here is a tree of pyramidal habit whose small heart-shaped leaves give a crisp sparkle to the whole—and turn, in the Fall, to lovely pastel shades of apricot and yellow.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
C. JAPONICUM (Katsura-Tree) . . . . .	30-40 ft.	Incon- spicuous		Medium	Rich soil	Pastel Fall foliage

## CERCIS • *The Redbuds*

The rosy glow along the edge of the woodland in early Spring turns out to be the Redbud. Its rosy purple flowers cling along the naked stems until the round leaves come to take their place.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
C. CANADENSIS (American Redbud) . . . . .	15-20 ft.	Rosy purple	April, May	Medium	Woodsy loam	Early blooming
C. CHINENSIS (Chinese Redbud) . . . . .	12-15 ft.	Rich pink	May	Medium	Woodsy loam	Low-grow- ing, spread- ing habit

## CLADRASTIS • *The Yellow-Woods*

Here is a tree with many sterling qualities. It has a graceful, spreading head of smooth, bright green leaves, flowers of subtle fragrance, and an Autumn aspect of pale gold.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
C. LUTEA (Yellow-Wood) . . . . .	30-40 ft.	Creamy white	June	Medium	Woodsy loam	Fragrant, pendulous

## CORNUS • *The Dogwoods*

Americans should feel a lively pride whenever they think of or see a Dogwood, for it is a tree of purely American origin. It is clothed in beauty at all seasons of the year. It is difficult not to believe in miracles when we see it in full bloom in the Spring, and again in the Fall when we watch the color creep through its foliage to the final rich red.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
C. FLORIDA (White Dogwood) . . . . .	20-25 ft.	White	May	Medium	Good, well- drained soil	Brilliant foli- age in Fall, red berries attract birds
C. FLORIDA MULTIBRACTEATA (Double White Dogwood) . . . . .	20-25 ft.	White	May, June	Medium	Good, well- drained soil	Camellia-like double bloom
C. FLORIDA PENDULA (Weeping Dogwood)	12-15 ft.	White	May	Medium	Good, well- drained soil	Extremely pendulous
C. FLORIDA RUBRA (Pink Dogwood) . . . .	12-15 ft.	Rosy pink	May	Medium	Good, well- drained soil	Conspicuous pink tree
C. KOUSA (Japanese Dogwood) . . . . .	15-20 ft.	White	June, July	Medium	Good, well- drained soil	Bloom ap- pears on up- per surface of twigs



*Fagus sylvatica purpurea*

## CRATAEGUS . *The Hawthorns*

This species is remarkable not only for the bright haws or fruits which give it its common name, but for its lively foliage and vigorous form. Many of the group make excellent hedges—not only amenable to shearing into tight green walls, but impenetrable, because of the thorns.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
C. CARRIEREI (Carriere Hawthorn) . . . .	15-20 ft.	White	May	Medium	Rich loam	Brilliant orange fruit
C. COCCINEA (Thicket Hawthorn) . . . .	20-25 ft.	White	April, May	Medium	Rich loam	Large scarlet fruit
C. CORDATA (Washington Thorn) . . . .	20-25 ft.	White	May	Medium	Rich loam	Abundant scarlet fruit
C. CRUS-GALLI (Cockspur Thorn) . . . .	20-30 ft.	White	May	Medium	Rich loam	Red fruit, attractive to birds
C. FLAVA (Yellow-fruited Thorn) . . . .	15-20 ft.	White	April, May	Medium	Rich loam	Orange-brown fruit, spreading habit
C. MOLLIS (Downy Hawthorn) . . . .	15-20 ft.	White	May	Medium	Rich loam	Fruits early
C. OXYACANTHA (English Hawthorn) . .	15-20 ft.	Pink	May	Medium	Rich loam	Hawthorn of the English countryside
C. OXYACANTHA ALBA FLORE-PLENO (Double White English Hawthorn) . .	12-15 ft.	White	May	Medium	Rich loam	Fragrant double flower
C. OXYACANTHA ROSEA FLORE-PLENO (Double Pink English Hawthorn) . . .	12-15 ft.	Pink	May	Medium	Rich loam	Double flower
C. OXYACANTHA PAULI (Double Scarlet Hawthorn) . . . . .	12-15 ft.	Bright scarlet	May	Medium	Rich loam	Double scarlet flower
C. PUNCTATA (Dotted Hawthorn) . . . .	15-20 ft.	White	May	Medium	Rich loam	Dull red fruit

## DAVIDIA . *The Dove-Tree*

This tree has all the loveliness with which our imaginations clothe rare things. While the foliage is fairly large, and the white flowers decidedly so, the general effect of the tree is one of frail beauty. It bears the name of its missionary discoverer, Armand David, who found it in western China in the eighteen sixties.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
D. INVOLUCRATA (Dove-Tree) . . . . .	40-50 ft.	Cream-white	May	Medium	Rich loam	A rare tree from China, of great beauty

## DIOSPYROS . *The Persimmon Tree*

The Persimmon is much more than a source of a toothsome, edible fruit. It is fine, glossy-foliaged, with a great deal of grace in its habit of growth.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
D. VIRGINIANA (Common Persimmon) . .	30-40 ft.	White	May	Medium	Well-drained rich soil	Orange edible fruit when mature, after frost



*Fraxinus - White Ash*

## FAGUS • *The Beeches*

It is probably the secret desire of every tree lover to own a Beech wood some day. At all seasons the Beeches are beautiful. In Spring the long brown buds shake out a veil of tender green. In Summer the tree filters the bright sunlight to a cool green twilight. In Winter they carpet the ground beneath their silver trunks with orange and gold.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
F. AMERICANA (American Beech) . . . . .	80-100 ft.	Inconspicuous		Long	Well-drained soil	Gray bark, orange Fall foliage
F. SYLVATICA (European Beech) . . . . .	60- 80 ft.	Inconspicuous		Long	Well-drained soil	Slow-growing
F. SYLVATICA ASPLENIFOLIA (Fernleaf Beech)	40- 60 ft.	Inconspicuous		Long	Well-drained soil	Lacy-leaved foliage
F. SYLVATICA PENDULA (Weeping Beech) . .	40- 50 ft.	Inconspicuous		Long	Well-drained soil	Extremely pendulous, branching
F. SYLVATICA PURPUREA (Purple Beech) . .	50- 60 ft.	Inconspicuous		Long	Well-drained soil	Green to copper foliage
F. SYLVATICA RIVERSI (River's Beech) . . .	50- 60 ft.	Inconspicuous		Long	Well-drained soil	True purple foliage

## FRAXINUS • *The Ash Tree*

Stateliness and strength, richness and variety of Autumn color are among the sterling qualities of the Ash trees.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
F. AMERICANA (White Ash) . . . . .	70- 80 ft.	Red	March	Long	Good soil	Beautiful varied Autumn foliage
F. EXCELSIOR (European Ash) . . . . .	80-100 ft.	Inconspicuous		Long	Good soil	Lively compound foliage
F. LANCEOLATA (Green Ash) . . . . .	50- 60 ft.	Inconspicuous		Long	Moist, good soil	Greenest of the Ash trees

## GINKGO • *The Maidenhair Tree*

The Ginkgo is unique, being the sole member in the world today of a once more numerous tribe. It carries on its lovely existence, however, with great vigor and independence. In form it varies from tightly pyramidal to wide-spread irregularity. It is always of a fresh green, and in Autumn, a cloud of gold.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
G. BILOBA (Maidenhair Tree) . . . . .	60-80 ft.	Inconspicuous		Long	Well-drained rich soil	Impervious to insect pests

## GLEDITSIA • *The Honey Locust*

This is a truly lovely tree. Its towering, spreading canopy of lace-like foliage is the epitome of light and airy grace.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
G. TRIACANTHOS (Common Honey Locust)	70-80 ft.	White	June	Long	Rich soil	Lacy, graceful foliage
G. TRIACANTHOS INERMIS (Thornless Honey Locust) . . . . .	70-80 ft.	Inconspicuous		Long	Rich soil	Partially thornless



*Ginkgo biloba*

## ✓ GORDONIA • *The Franklin Tree*

Romance lurks in the slender branches of this lovely tree. Look up its story, which is just too long to be told here. It was all but lost, but was saved for us by the devotion of a few men who have known the love of trees. It is one of the few rare species which bloom in Autumn.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
G. ALATAMAHA (Franklin Tree) . . . . .	20-30 ft.	Creamy white	September, October	Medium	Moist, rich soil	Rare Autumn- flowering tree

## GYMNOCLADUS • *The Kentucky Coffee-Tree*

This tree has two distinct phases. Its framework—the Winter aspect—is vigorous of growth, almost stark in appearance because of its absence of small twigs. In Summer, however, it covers its nakedness with a garment of beautiful feathery foliage, and in Autumn is hung with conspicuous brown pods.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
G. DIOICA (Kentucky Coffee-Tree) . . . . .	60-80 ft.	Greenish white	June	Medium	Rich soil	Lacy foliage, vigorous form

## HALESIA • *The Silver-Bell Tree*

This spreading, rapid-growing tree could be called by no other common name. Each branch bears a row of beautiful white bells which, if they could ring, would undoubtedly fill the air with the music of little silver bells.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
H. TETRAPTERA (Great Silver-Bell) . . . . .	20-25 ft.	White	May	Short	Rich soil, well drained	Remarkable small bell blooms

## JUGLANS • *The Walnut*

The compound foliage, the stately proportions the tree attains, and the nuts that come in great abundance are the attraction of this tree.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
J. NIGRA (Black Walnut) . . . . .	80-100 ft.	Incon- spicuous		Long	Woodsy loam	Edible nuts

## KOELREUTERIA • *The Goldenrain-Tree*

A midsummer-blooming tree is always refreshing. This one is a shower of gold in late June and early July. Its compound foliage gives a sparkle to this tree.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
K. PANICULATA (Goldenrain-Tree) . . . . .	20-30 ft.	Yellow	June, July	Short	Rich soil	Graceful, compound foliage



*Liriodendron*

## LABURNUM • *The Golden-Chain*

Imagine a pyramidal form with lacy foliage, hung with golden bunches of grapes or yellow wisteria-like flowers. That is the Laburnum.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
L. VULGARE (Golden-Chain) . . . . .	15-20 ft.	Yellow	May, June	Short	Good soil	Wisteria-like blooms

## LARIX • *The Larches*

While the Larches are conifers, and have most of the characteristics of an evergreen, such as conical outline, bark, needles, etc., they drop their leaves each Fall and put out a new set each Spring. It is the tender fresh green of this Spring leafage which we especially enjoy in these trees.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
L. EUROPEA (European Larch) . . . . .	70-80 ft.	Incon- spicuous		Medium	Moist, well- drained soil	Deciduous needles
L. LEPTOLEPIS (Japanese Larch) . . . . .	50-60 ft.	Incon- spicuous		Medium	Moist, well- drained soil	Delicate Spring green

## LIQUIDAMBAR • *The Sweet Gum*

This is a forthright tree in all its features. Its form is distinctly regular, approaching the pyramidal; its foliage is unmistakably star-shaped and as large as maple leaves; its bark is of a conspicuously patterned roughness; its Summer foliage splendidly green, and its Fall color is gorgeous.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
L. STYRACIFLUA (Sweet Gum) . . . . .	50-60 ft.	Incon- spicuous		Medium	Moist, rich soil	Remarkable Fall color

## LIRIODENDRON • *The Tulip-Tree*

Towering stateliness of growth, pale gold of its Autumn foliage against black branches—for these we love the Tulip-Tree.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
L. TULIPIFERA (Tulip-Tree) . . . . .	100-120 ft.	Greenish yellow	June	Long	Moist, rich soil	Stately, straight trunks

## MAGNOLIA • *The Magnolias*

For surprising, almost unbelievably gorgeous bloom, the Magnolias are easily the first among flowering trees. But this is not their sole merit. They have a fine, bright green foliage which stays until late in the season, they have a form of exceeding grace; and their trunks and limbs are a soft, silvery gray.

### THE NATIVES

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
M. ACUMINATA (Cucumber-Tree) . . . . .	70-80 ft.	Greenish yellow	May, June	Medium	Good, porous soil	Splendid vig- orous foliage
M. GLAUCA (Sweet Bay) . . . . .	15-20 ft.	White	June, July	Medium	Moist, rich soil	Delicious fragrance
M. MACROPHYLLA (Bigleaf Magnolia) . . . . .	30-40 ft.	Cream- white	May, June	Medium	Moist, rich soil	Extremely large leaves
M. TRIPETALA (Umbrella Magnolia) . . . . .	30-40 ft.	White	May, June	Medium	Moist, rich soil	Tropical in effect



*Magnolia Soulangiana*

## MAGNOLIA . *The Magnolias, continued* THE ORIENTALS

M. ALBA SUPERBA (Large Saucer Magnolia)	15-20 ft.	White	May	Medium	Moist, rich soil	Foliage of sterling character
M. ALEXANDRINA (Alexander Magnolia)	15-20 ft.	Deep purple	April, May	Medium	Moist, rich soil	Foliage of sterling character
M. CONSPICUA (Yulan)	30-40 ft.	White	April, May	Medium	Moist, rich soil	Fragrant
M. KOBUS (Kobus Magnolia)	20-30 ft.	White	April, May	Medium	Moist, rich soil	Small leaves, regular form
M. LENNEI (Lenne Magnolia)	15-20 ft.	Purple	April, May	Medium	Moist, rich soil	Large-sized blooms
M. PURPUREA (Lily Magnolia)	15-20 ft.	Purple	May, June	Medium	Moist, rich soil	Late bloomer
M. SOULANGEANA (Saucer Magnolia)	20-25 ft.	Pink	May	Medium	Moist, rich soil	Fragrant
M. STELLATA (Star Magnolia)	10-12 ft.	White	March, April	Medium	Moist, rich soil	Sweet-scented starry flowers

## MALUS . *The Flowering Crab-Apples*

These trees mark the high tide of the Spring's blossoming. Their loveliness tinges the whole landscape. Men have been known to follow the progress of their blooming from the highlands of the South to the seacoast of Nova Scotia. Fortunate pilgrims! In Autumn they color the landscape once more, this time with their abundant fruits—green, red, yellow and purple.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
M. CORONARIA (Wild Sweet Crab)	15-20 ft.	Blush-pink	May	Short	Moist, rich soil	Delicious fragrance
M. ELEYI (Eley Crab)	15-20 ft.	Pink	May	Short	Moist, rich soil	Large red fruit
M. FLORIBUNDA (Japanese Flowering Crab)	15-20 ft.	Rose-pink	May	Short	Moist, rich soil	Abundance of small red fruit
M. FLORIBUNDA ATROSANGUINEA (Carmine Crab)	15-20 ft.	Carmine	May	Short	Moist, rich soil	Dark red fruit
M. HOPPI (Hoppi Crab)	15-20 ft.	Red	May	Short	Moist, rich soil	Red fruit
M. IOENSIS PLENA (Bechtel Crab)	15-20 ft.	Pink	May	Short	Moist, rich soil	Upright grower
M. NIEDZWETZKYANA (Redvein Crab)	15-20 ft.	Red	May	Short	Moist, rich soil	Largest red fruit
M. PARKMANI (Parkman Crab)	15-20 ft.	Pink	May	Short	Moist, rich soil	Abundance of bloom
M. SARGENTI (Sargent Crab)	8-10 ft.	Pure white	May	Short	Moist, rich soil	Bush form
M. SCHEIDECKERI (Scheidecker Crab)	15-20 ft.	Pale pink	May	Short	Moist, rich soil	Yellow fruit
M. SPECTABILIS (Chinese Flowering Crab)	15-20 ft.	Pink	May	Short	Well-drained, good soil	Large yellow fruit
M. SPECTABILIS ALBA PLENA (Double White Chinese Crab)	15-20 ft.	White	May	Short	Well-drained, good soil	Double blossoms

## NYSSA . *The Sour Gum*

This tree is associated in our minds with the pastures, hedgerows and woodland edges of our countryside. It is magnificent in the Fall, and is the first tree to turn red with Autumn color. Its form is sturdy and fine.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
N. SYLVATICA	60-80 ft.	Inconspicuous		Long	Moist, rich soil	Early crimson Fall foliage



*Oxydendrum arboreum*

## OXYDENDRUM • *The Sorrel-Tree*

Of our smaller native trees, this is one of the most beautiful. Its tassels of white flowers come in Summer against splendid shining foliage. They become yellow tassels of fruit against the glowing crimson of the Autumn leaves.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
O. ARBOREUM (Sorrel-Tree) . . . . .	25-30 ft.	White	July, August	Medium	Well-drained woody loam	Golden tassels against crimson foliage in Autumn

## PARROTIA • *The Persian Ironwood*

If it is surprising to find bloom on a tree in midwinter, this tree furnishes the surprise. Its foliage is excellent in Summer and brilliantly colored in the Fall. In its native country, which we once called Persia but is now named Iran, its tough twigs have many uses. They are twisted into cables for foot-bridges over mountain torrents.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
P. PERSICA (Persian Parrotia) . . . . .	12-15 ft.	Crimson	January, February	Short	Well-drained soil	Brilliant Autumn foliage

## PAULOWNIA • *The Empress Tree*

This tree is conspicuous in every way. Its leaves are large and exotic; its light purple flowers are large and abundant; its trunk and spreading branches are large and dominant. It originally came from China, but has escaped from cultivation, and only when the great panicles of flowers, in May, pick it out of the landscape, do we realize how wide and general is this escape.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
P. TOMENTOSA (Royal Paulownia) . . . . .	40-60 ft.	Pale violet	May	Medium	Light, deep loam	Foliage of large scale

## PHELLODENDRON • *The Chinese Cork-Tree*

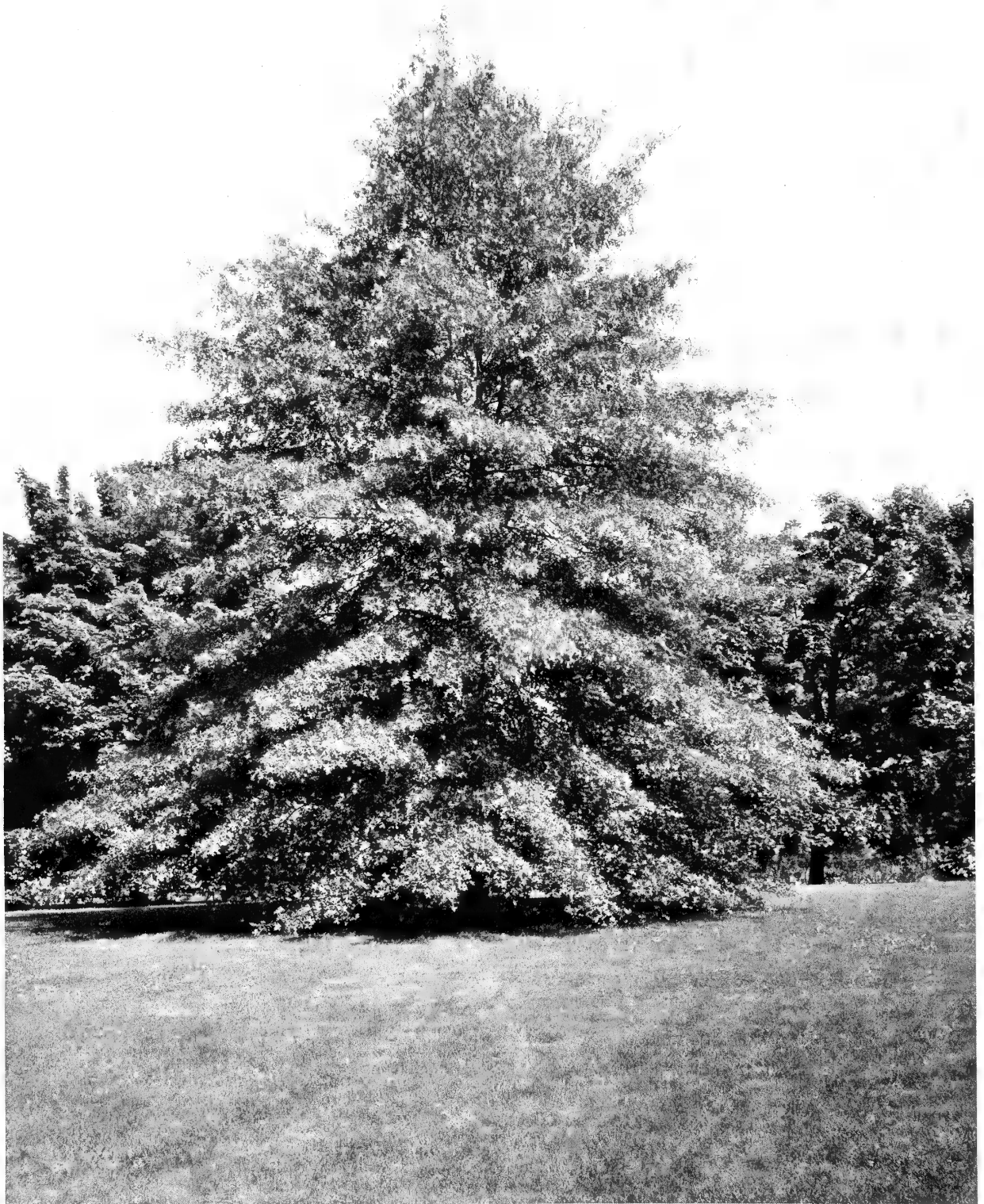
Here is a small tree of great interest for its beautiful compound foliage, its deeply fissured corky bark, and its abundant black berries.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
P. AMURENSE (Amur Cork-Tree) . . . . .	20-30 ft.	Incon- spicuous		Short	Average soil	Interesting corky bark

## PLANERA • *The Japanese Water-Elm*

This tree is much like the elm in foliage and habit of growth, but lacks its stately longevity. It is smooth-barked and spreading.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
P. JAPONICA (Water-Elm) . . . . .	30-40 ft.	Incon- spicuous		Short	Moist, good soil	Elm-like in habit and texture



*Quercus palustris*

## PLATANUS • *The Plane Trees*

The Plane trees are closely associated with us and our activities. They thrive in our urban centers, in our parks, along our river banks. They like to be near us on our farms. We can hardly conceive of an old spring-house without a great Buttonwood shading and protecting it. We all know their mottled bark.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
P. OCCIDENTALIS (American Plane Tree) . . .	80-100 ft.	Incon- spicuous		Long	Moist, rich soil	Towering forest tree
P. ORIENTALIS (European Plane Tree) . . . .	70- 80 ft.	Incon- spicuous		Medium	Well-drained, average soil	Withstands urban con- ditions

## POPULUS • *The Poplars*

The Poplars are a lively and interesting group with characters all their own. Their rapidity of growth, their constant, sensitive movement, their flashes of silver upon green in the wind endear them to us.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
P. BOLLEANA (Bolleana Poplar) . . . . .	30- 40 ft.	Incon- spicuous		Short	Moist, average soil	Sharply pyramidal
P. CANDICANS (Balm-of-Gilead) . . . . .	80-100 ft.	Cottony catkins	April	Medium	Moist, average soil	Cottony seed-pods
P. MAXIMOWICZI (Japanese Poplar) . . . .	60- 80 ft.	Incon- spicuous		Short	Moist, average soil	Dense foliage
P. NIGRA ITALICA (Lombardy Poplar) . . . .	40- 60 ft.	Incon- spicuous		Short	Moist, average soil	Rapid growth, py- ramidal habit
P. SUAVEOLENS (Mongolian Poplar) . . . .	30- 40 ft.	Incon- spicuous		Short	Dry, well- drained soil	Compar- atively slow growth
P. TREMULOIDES (Quaking Aspen) . . . . .	60- 80 ft.	Cottony catkins	April	Short	Dry upland soil	Movement of leaves in lightest air

## PTELEA • *The Hop-Tree*

This is a round but open headed little tree, and the clusters of pale green fruits, contrasting with the glossy dark green foliage, are very interesting.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
P. TRIFOLIATA (Common Hop-Tree) . . . .	12-15 ft.	Greenish white	June	Medium	Porous, moist soil	Likes shaded positions



*Quercus rubra*

## QUERCUS • *The Oaks*

In the world of trees, the Oaks stand for strength, permanence, and a noble kind of beauty. They live their lives in a patrician sort of aloofness, very suitable to the royal family. They serve, however, as such a family should serve—by being in all respects the example of what the perfect tree should be.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
Q. ALBA (White Oak) . . . . .	100-120 ft.	Greenish yellow catkins	Late Spring	Long	Moist, rich soil	Tree of great strength and long life
Q. BICOLOR (Swamp White Oak) . . . . .	50- 60 ft.	Greenish yellow catkins	Late Spring	Long	Moist, rich soil	Does well in wet places
Q. CERRIS (European Turkey Oak) . . . . .	80-100 ft.	Greenish yellow catkins	Late Spring	Long	Good light soils	Dark green, finely cut foliage
Q. COCCINEA (Scarlet Oak) . . . . .	60- 80 ft.	Greenish yellow catkins	Late Spring	Long	Gravelly soil	Brilliant Autumn color
Q. IMBRICARIA (Shingle Oak) . . . . .	40- 60 ft.	Greenish yellow catkins	Late Spring	Long	Moist, rich soil	Slightly drooping branches
Q. MACROCARPA (Mossy-Cup Oak) . . . . .	60- 80 ft.	Greenish yellow catkins	Late Spring	Long	Rich soil	Stately, vigorous tree
Q. PALUSTRIS (Pin Oak) . . . . .	60- 80 ft.	Greenish yellow catkins	Late Spring	Medium	Rich soil	Rapid grower
Q. PHELLOS (Willow Oak) . . . . .	40- 60 ft.	Greenish yellow catkins	Late Spring	Medium	Moist, clay soil	Willow-like leaves
Q. RUBRA (Red Oak) . . . . .	60- 80 ft.	Greenish yellow catkins	Late Spring	Medium	Moist, rich soil	Rapid growth and fine Fall color
Q. VELUTINA (Black Oak) . . . . .	60- 80 ft.	Greenish yellow catkins	Late Spring	Medium	Rich soil	Will stand dry soil

## RHUS • *The Sumacs*

If you insist on thinking of these trees as weeds because they are natively so common, you miss a great deal of real beauty and charm. There is an exotic feeling about the compound foliage, and a wonder of reds and oranges in the Autumn. The crimson panicles of velvet-covered fruits are like those of no other tree.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
R. GLABRA (Smooth Sumac) . . . . .	10-12 ft.	Green	July	Short	Average dry soil	Fine Fall color
R. TYPHINA (Staghorn Sumac) . . . . .	15-20 ft.	Green	June, July	Short	Average dry soil	Fruit in red pyramids



*Salix*

## SALIX • *The Willows*

The Willows bristle with "personality." They are the first to start activities in the Spring, and almost the last to admit that Summer is over. They hold their green till the last moment. What is lovelier than the swaying of the long vine-like branches of the Weeping Willow? What is more heartening than the orange and yellow flush on the Willow twigs as winter is about to leave the stage?

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
S. BABYLONICA (Weeping Willow) . . . . .	30-40 ft.	Inconspicuous	March	Short	Moist, rich soil	Long, pendulous, swaying branches
S. DISCOLOR (Pussy Willow) . . . . .	15-20 ft.	Silver-gray		Short	Moist, rich soil	Bloom marks beginning of Spring
S. ELEGANTISSIMA (ThurLOW Weeping Willow) . . . . .	40-50 ft.	Inconspicuous		Short	Moist, rich soil	Early yellow twigs
S. PENTANDRA (Laurel Willow) . . . . .	20-30 ft.	Inconspicuous		Short	Moist, rich soil	Shiny dark foliage

## SOPHORA • *The Japanese Pagoda-Tree*

Here is a tree of light and lacy beauty. Its round head bursts into bloom in midsummer.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
S. JAPONICA (Chinese Scholar-Tree) . . . . .	30-40 ft.	White	August	Short	Rich soil	Refreshing midsummer bloom

## SORBUS • *The Mountain-Ash*

The heavy orange clusters of fruits in August and September make this feathery little tree conspicuous.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
S. AUCUPARIA (European Mountain-Ash) . . . . .	20-30 ft.	White	May	Short	Rich soil	Heavily fruited

## STEWARTIA • *The Japanese Stewartia*

Beautiful, large white flowers in July, and a foliage which turns to deep shades of red and orange in the Fall are the characteristics which make this little tree attractive.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
S. PSEUDO-CAMELLIA (Japanese Stewartia) . . . . .	15-20 ft.	White	July	Short	Rich soil	Summer blooming



*Ulmus americana*

## STYRAX • *The Snowbell*

Little pendent white bells hang and sway from the under side of each branch. The form of the branching is exceedingly graceful.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
S. JAPONICA (Japanese Snowbell) . . . . .	15-20 ft.	White	May, June	Short	Porous soil	Fragrant

## TAXODIUM • *The Bald Cypress*

Another tree that looks and acts like an evergreen but drops its leaves. They are sharply pyramidal and will grow in the wettest ground.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
T. DISTICHUM (Bald Cypress) . . . . .	100-120 ft.	Inconspicuous		Long	Wet soil	Stately pyramid of feathery foliage

## TILIA • *The Lindens*

Here is a very civilized tree. Denseness of foliage, odor of blossoms, general tightness of habit, and amenity toward clipping and shearing make it a very pleasant companion.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
T. AMERICANA (American Linden) . . . . .	80-100 ft.	Yellow	July	Medium	Moist, rich soil	Fragrant, rapid growth
T. CORDATA (Littleleaf European Linden) . . . . .	60- 80 ft.	Yellow-white	July	Medium	Moist, rich soil	Fragrant, dense foliage
T. TOMENTOSA (Silver Linden) . . . . .	60- 80 ft.	Yellow-white	July	Medium	Moist, rich soil	Heavy shade
T. VULGARIS (Common Linden) . . . . .	80-100 ft.	Yellow-white	June	Medium	Moist, rich soil	Heavy shade

## ULMUS • *The Elms*

With dignity and grace the Elms have graced our American landscapes for generations. Such beauty as they bring to our daily surroundings is worth fighting for. We should gratefully give them all the aid we can to withstand the onslaughts of their enemies.

	APPROX. HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	SPAN OF LIFE IN GOOD CONDITION	CONDITIONS FOR GROWTH	REMARKS
U. AMERICANA (American Elm) . . . . .	100-120 ft.	Reddish brown	April	Long	Moist, rich soil	Grace of form
U. CAMPESTRIS (English Elm) . . . . .	60- 80 ft.	Inconspicuous		Long	Moist, rich soil	Compact top
U. GLABRA CAMPERDOWNI (Camperdown Elm) . . . . .	12- 15 ft.	Inconspicuous		Short	Moist, rich soil	Dwarf and pendulous
U. PARVIFOLIA (Chinese Elm) . . . . .	20- 30 ft.	Inconspicuous		Short	Moist, rich soil	Fast growing small leaves
U. RACEMOSA (Rock Elm) . . . . .	60- 80 ft.	Inconspicuous		Medium	Moist, rich soil	Corky bark



*Garden Vista*

# DECIDUOUS SHRUBS

WHEN we stand in a grove of great trees we think of them in their majesty and aloofness as something apart from ourselves. They live their lives and fulfil their inscrutable destinies, independent of our fussy and restless affairs. Their flowers and fruits are inaccessible to us, save at great and sometimes dangerous effort. They were there—these trees—before we came; they will be there long after we have gone.

The shrubs are nearer to our own scale. They seem dependent on us as domestic animals are dependent and, like them, ready to return a grateful service for our care.

We like them for their flowers, of course. Indeed this is unquestionably the greatest of their charms. But we like them also because we can work with them and easily manipulate the composition of our immediate landscapes with them. We like them because we can prune them with our own hands and increase the quantity and quality of their blossoms, maintain their natural and beautiful shapes, renew their vigor. We like them for their many-hued fruits. We like them because these fruits bring the birds closer to us where we can watch them. This is a sweet association—this of the birds and the shrubs. There are those who will always associate the scent of Lilacs with the song of the yellow warbler; the mocking cadences of the catbird with the fragrance of the Mock-Orange; the rippling song of the wren with the white garlands of the Bridal Wreath.

The shrubbery is a garden full of present-day brightness and old-time fragrant memories.



*Abelia grandiflora*

## ABELIA . *The Flowering Abelia*

Its small foliage, sparkling and glossy, is almost evergreen. In June the bloom begins, and continues till the Autumn. When the last tiny trumpet has fallen there remain the little panicles of tinted bracts which held them, very lovely against the dark bronzy green leafage.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
A. GRANDIFLORA (Glossy Abelia) . . . . .	4-5 ft.	Pink and white	June and November	Light, peaty	Pendulous	Beautiful, glossy foliage

## ACANTHOPANAX . *The Bush Angelica*

Upright in habit; dark green of foliage; a comfortable background shrub.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
A. PENTAPHYLLUM (Bush Aralia) . . . . .	5-6 ft.	Greenish	June	Rich, heavy soil	Upright	Dark green foliage

## AESCULUS . *The Dwarf Horse-Chestnut*

This shrub makes a fine low mass, or drift, of the familiar Horse-Chestnut foliage topped by feathery spikes of white flowers.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
A. PARVIFLORA (Bottlebrush Buckeye) . . . . .	3-6 ft.	White	July, August	Rich, moist loam	Upright in a mass	Effective feathery spike of bloom

## AMELANCHIER . *The Shadbushes*

These native bushes have a delicacy of form which is charming. We are thrilled by their early misty bloom in the naked woods. The purple fruits are sweet. The birds like them.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
A. CANADENSIS (Downy Shadbush) . . . . .	20-25 ft.	White	May	Limestone soil	Open, spreading growth	Purple fruits
A. OBLONGIFOLIA (Thicket Shadbush) . . . . .	15-20 ft.	White	May	Moist soil	Shrubby growth	Sweet, black fruit

## AMORPHA . *The False Indigo Bush*

The foliage is feathery; the flowers a remarkable dark purple; the habit of growth is somewhat sprawling.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
A. FRUTICOSA (False Indigo Bush) . . . . .	5-15 ft.	Purple	July	Moist soil	Open, loose growth	Flower spikes dense



*Azalea*

## AMYGDALUS • *The Flowering Almonds*

A delicate little shrub. Its long, slim twigs are hung with tiny rosettes of very double white and pink flowers.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
A. COMMUNIS ALBA (Double White Almond)	10-15 ft.	White	May	Good, average soil	Stiffly bushy	Rosette-like flowers before the leaves
A. COMMUNIS ROSEA (Double Pink Almond)	10-15 ft.	Pink	May	Good, average soil	Stiffly bushy	Rosette-like flowers before the leaves

## ARONIA • *The Chokeberries*

Here are bright little shrubs with the three graces of flower, fruit and Autumn color. They belong to the native group.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
A. ARBUTIFOLIA BRILLIANTISSIMA (Red Chokeberry)	6-8 ft.	White	April, May	Moist soil	Upright	Red fruits
A. MELANOCARPA (Black Chokeberry)	4-6 ft.	White	April, May	Dry, rocky soil	Upright	Black fruits

## AZALEA • *The Deciduous Azaleas*

These beautiful flowering shrubs cover a wide range of emotions. There are the will-o'-the-wisps among the natives, whose blooms are like tinted mist floating through the woodlands and wet meadows, alluring their pursuers with wisps of delicate fragrance. There are the flamboyant banners of unconceivable color of the Mollis and Pontica groups. We have Azalea bloom among the many varieties from early April until well into July.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
A. ARBORESCENS (Sweet Azalea)	6-10 ft.	White	June, July	Woodsy loam	Bushy	Fragrant
A. CALENDULACEA (Flame Azalea)	4-10 ft.	Yellow to flame	May, June	Woodsy loam	Open	Delicate
A. KAEMPFERI (Torch Azalea)	8-10 ft.	Red	April, May	Woodsy loam	Dense and spreading	Striking when in bloom
A. KAEMPFERI MACRANTHA (Red Salmon Azalea)	3-4 ft.	Salmon-red	June, July	Woodsy loam	Branching	Almost evergreen
A. MOLLIS (Chinese Azalea)	4-6 ft.	Wide range of reds	May	Woodsy loam	Spreading	Gorgeous in bloom
A. MUCRONULATA (Manchurian Azalea)	5-6 ft.	Rosy purple	April	Woodsy loam	Upright	Very early bloomer
A. NUDIFLORA (Pinxter-Bloom)	5-6 ft.	Pink	April, May	Woodsy loam	Spreading	Fine in woodlands
A. PONTICA (Pontic Azalea)	6-8 ft.	Yellows, orange-red	May, June	Woodsy loam	Spreading	Fragrant
A. POUKHANENSIS (Korean Azalea)	3-4 ft.	Lavender	May	Woodsy loam	Spreading	Dense bloom
A. ROSEA (Downy Pinxter-Bloom)	6-8 ft.	Pink	April, May	Woodsy loam	Spreading	Partial shade
A. SCHLIPPENBACHI (Royal Azalea)	5-6 ft.	Pale pink	May	Woodsy loam	Spreading	Large accented blooms
A. VASEYI (Pink-shell Azalea)	5-6 ft.	Pure pink	April, May	Moist, woodsy loam	Open	Flowers before leaves
A. VISCOSA (Swamp Azalea)	4-6 ft.	White	June, July	Wet soil	Thick, bushy	Latest to bloom, fragrant



*Aesculus parviflora*

## BENZOIN • *The Spice-Bush*

In March this shrub dons a pale yellow cloak with a Spring hint in it of the green to come. Red fruits dotting the yellow foliage of Autumn renew our attention.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
B. ÆSTIVALE (Spice-Bush) . . . . .	8-10 ft.	Pale yellow	March, April	Moist ground	Upright, dense	Spicy red fruit

## BERBERIS • *The Barberries*

Aside from the beauty of the delicate flower panicles, of the fine decorative red fruits and rich red Autumn color, the Barberries contribute to our enjoyment a lovely pendulous form and habit of growing.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
B. THUNBERGI (Japanese Barberry) . . . . .	4-6 ft.	Yellow	April	Good loam	Densely bushy	Red fruits all Winter
B. THUNBERGI MINOR (Box Barberry) . . . . .	1-1½ ft.	Yellow	April	Good loam	Dwarf, bushy	Very dense foliage
B. VULGARIS (European Barberry) . . . . .	6-8 ft.	Yellow	May	Good loam	Upright, arching	Very decorative fruits

## BUDDLEIA • *The Butterfly-Bush*

This strong-growing, sprawling bush, which is covered from July on through the Summer with lilac-like spikes of bloom, has an appropriate common name, for through the bright sunny days the butterflies swarm about it, fluttering for an advantageous position, and then draining the tiny trumpets of their sweets, showing their contentment with gently waving wings.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
B. DAVIDI, CHARMING (Butterfly-Bush) . . . . .	5-6 ft.	Pink	July-October	Well-drained soil, sun	Coarse, open growth	Must have plenty of room
B. DAVIDI, FORTUNE . . . . .	5-6 ft.	Lilac	July-October	Well-drained soil, sun	Coarse, open growth	Must have plenty of room
B. DAVIDI, ÎLE DE FRANCE . . . . .	5-6 ft.	Lilac	July-October	Well-drained soil, sun	Coarse, open growth	Must have plenty of room
B. DAVIDI MAGNIFICA . . . . .	5-6 ft.	Purple	July-October	Well-drained soil, sun	Coarse, open growth	Must have plenty of room

## CALLICARPA • *The Beauty Fruit*

A shrub that grows rapidly and blooms in August—pink bunches of tiny flowers. In Autumn the slender branches are so weighted with lilac-colored fruit that they arch over and bend to the ground.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
C. PURPUREA (Chinese Beauty-Berry) . . . . .	5-6 ft.	Pink	August	Good, open soil	Spreading	Great abundance of purple fruit



*Cephalanthus*

## CALYCANTHUS • *The Sweet-Shrub*

This shrub has been loved for generations for its fragrance. The red-brown flowers have been hidden away in many an old bureau drawer and clothes-press for the sake of this same spicy fragrance. The foliage is splendidly green and thick.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
C. FLORIDUS (Common Sweet-Shrub) . . . . .	8 ft.	Reddish brown	June, July	Good, moist soil	Thick and bushy	Remarkable fragrance

## CARAGANA • *The Pea-Shrub*

A bright cheerful shrub with masses of yellow flowers and feathery foliage.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
C. ARBORESCENS (Siberian Pea-Tree) . . . . .	15-20 ft.	Yellow	June	Good, open soil	Upright tree form	Abundant pea-shaped flowers

## CARYOPTERIS • *The Bluebeard*

These low-growing shrubs might almost be treated as perennials, for in severe Winters they are cut down to the ground, but start up again the following Spring. Their bluish lavender flowers come in masses in the Autumn when flowers are rare.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
C. INCANA (Common Bluebeard) . . . . .	2-4 ft.	Blue-lavender	September, October	Well-drained, sandy soil	Low, upright	Tops die down in Winter

## CEANOTHUS • *The New Jersey Tea*

An open-growing, free-flowering native which blooms in the Fall. It hardly ever gets beyond 3 feet in height.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
C. AMERICANUS (Jersey Tea) . . . . .	2-3 ft.	White	June-Sept.	Light, well-drained soil	Erect, open growth	Likes partial shade

## CEPHALANTHUS • *The Button-Bush*

Excellent glossy foliage and little round spheres of bloom hanging like buttons to the bush, are the interesting features of this shrub. It likes wet ground.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
C. OCCIDENTALIS (Button-Bush) . . . . .	6-8 ft.	White	July, August	Moist soil	Bushy, round-headed growth	Spherical buttons of bloom



*Chionanthus*

## CHIONANTHUS • *The Fringe-Tree*

This is a fine large shrub—large in scale of form and foliage. Its mantle of feathery white flowers is very striking. It has dark blue fruits in Autumn.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
C. VIRGINICA (White Fringe) . . . . .	10-15 ft.	White	May, June	Well-drained, moist loam	Upright, round-headed	Leaves large in scale

## CITRUS • *The Hardy Orange*

When this large-growing shrub is in fruit, covered with little oranges the size of a golf ball, it is a sight to be remembered. Its twigs and twig-like thorns are always green.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
C. TRIFOLIATA (Hardy Orange) . . . . .	8-10 ft.	White	April	Good, rich soil	Twiggy, round-headed	Stems and twigs green

## CLETHRA • *The Sweet Pepper Bush*

Here is an upright Summer bloomer. Moist meadows are its natural home, and the little upright spikes of perky white blooms are fragrant.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
C. ALNIFOLIA (Summer Sweet) . . . . .	5-6 ft.	Blush-white	July, September	Woods earth, moist	Compact bush	Fragrant

## COMPTONIA • *The Sweet Fern*

This is the low-growing, aromatic shrub that is familiar to all country boys in rocky pastures. It will thrive in dry places exposed to the full sun.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
C. ASPLENIFOLIA (Sweet Fern) . . . . .	3-4 ft.	Inconspicuous		Open, dry soil	Flat-topped, branching	Aromatic



*Cornus*

## CORNUS . *The Cornels*

Here is a group of vigorous shrubs that thrive in moist lowlands. They are very conspicuous in the Winter landscape because of the bright colors of their twigs—reds and yellows.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
C. ALBA (Tatarian Dogwood) . . . . .	6- 8 ft.	Cream-white	May, June	Moist, good soil	Upright, bushy	Intensely red twigs and branches
C. AMOMUM (Silky Dogwood) . . . . .	6- 8 ft.	White	June	Moist, good soil	Upright, bushy	Blue fruit
C. MAS (Cornelian-Cherry) . . . . .	10-12 ft.	Yellow	March	Moist, good soil	Dense, upright	Edible red fruits
C. PANICULATA (Gray Dogwood) . . . . .	8-10 ft.	White	June	Moist, good soil	Upright, bushy	White fruits on red stems, branches gray
C. SANGUINEA (Bloodtwig Dogwood) . . . . .	8-10 ft.	White	May, June	Moist, good soil	Upright, open	Red branches
C. STOLONIFERA (Red-Osier) . . . . .	6- 8 ft.	White	May, June	Moist, good soil	Bushy, spreading	Dark red branches
C. STOLONIFERA FLAVIRAMEA (Goldentwig Dogwood) . . . . .	6- 8 ft.	White	May, June	Moist, good soil	Bushy, spreading	Yellow branches and twigs

## CORYLOPSIS . *The Flowering Hazels*

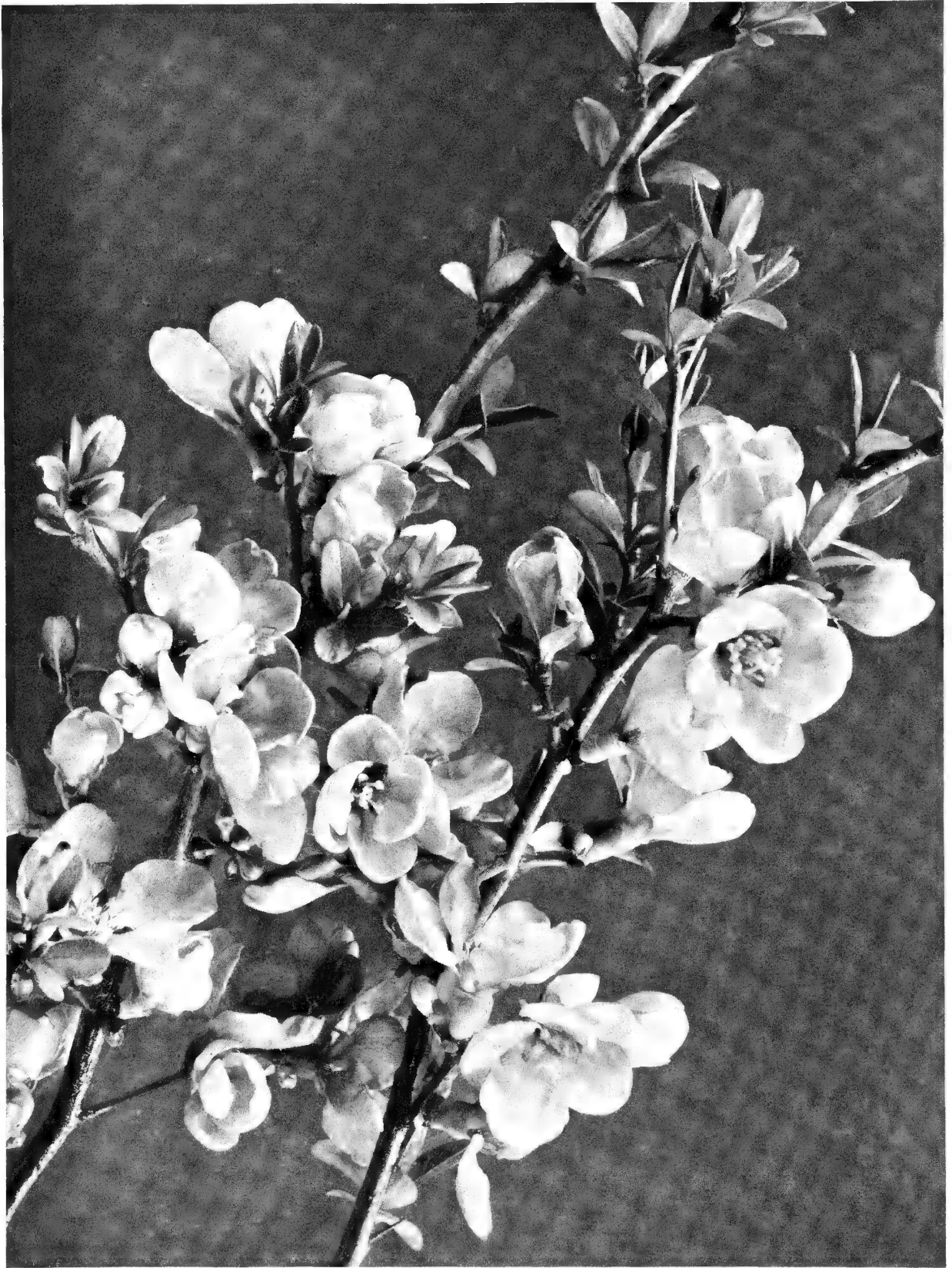
Fragrant, yellow flowers and lovely bluish green foliage are the interesting features of this low-growing species.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
C. PAUCIFOLIA (Buttercup Winter Hazel) . . . . .	2-3 ft.	Light yellow	March, April	Light, peaty soil	Spreading, many branches	Hanging spikes of fragrant flowers
C. SPICATA (Spike Winter Hazel) . . . . .	3-4 ft.	Bright yellow	March, April	Light, peaty soil	Spreading, many branches	Foliage and bloom larger

## CORYLUS . *The Hazels*

These large-growing shrubs have good sturdy foliage, and this is always a useful characteristic in a shrub. Their flowers are tassely catkins.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
C. AMERICANA (American Hazelnut) . . . . .	6- 8 ft.	Catkins	March, April	Well-drained, good soil	Upright	Edible nut
C. AVELLANA PURPUREA (Purple Filbert) . . . . .	8-10 ft.	Catkins	March, April	Well-drained, good soil	Upright	Purple foliage



*Cydonia*

## CYDONIA • *The Japanese Quince*

In early Spring, before the leaves are out, this thickly stemmed shrub is covered with bloom. It is as if the bush were aglow with the embers of a fire within it. The small yellow Quince fruits are deliciously fragrant.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
C. JAPONICA (Flowering Quince) . . . . .	6-8 ft.	Red, salmon, pink white	April	Well-drained, good soil	Spreading, bushy	Flowers before the leaves

## CYTISUS • *The Broom*

The green tangle of the Broom, rampant-growing on a bank, is a striking sight, especially when covered with the bright yellow of the pea-shaped flowers.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
C. SCOPARIUS (Scotch Broom) . . . . .	6-8 ft.	Bright yellow	May, June	Dry, gravelly soil, sun	Sprawling	Likes full sun

## DAPHNE • *The Deciduous Daphnes*

Erect in habit, with purple and white flowers very early in the Spring before the leaves appear. The fruits are red or yellow, and quite showy.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
D. MEZEREUM (February Daphne) . . . . .	2-3 ft.	Purple	April	Well-drained, light soil	Stout, erect habit	Red fruit
D. MEZEREUM ALBA (White February Daphne) . . . . .	2-3 ft.	White	April	Well-drained, light soil	Stout, erect habit	Yellow fruit

## DEUTZIA • *The Deutzias*

Here is a group of tall-growing shrubs which add to the general gayety of Spring blooms. They are stiff in form, and the foliage is dull in color.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
D. GRACILIS (Slender Deutzia) . . . . .	3- 5 ft.	White	May	Well-drained, good soil	Upright, round-headed	Profuse bloom
D. LEMOINEI (Lemoine's Deutzia) . . . . .	4- 5 ft.	White	May	Well-drained, good soil	Spreading	Showy, large bloom
D. SCABRA (Fuzzy Deutzia) . . . . .	6- 8 ft.	White	June, July	Well-drained, good soil	Upright	Many upright branches
D. SCABRA CANDIDISSIMA (White Fuzzy Deutzia) . . . . .	6- 8 ft.	White	June	Well-drained, good soil	Upright	Double white flowers
D. SCABRA, PRIDE OF ROCHESTER (Pink Fuzzy Deutzia) . . . . .	8-10 ft.	Pale pink	June	Well-drained, good soil	Upright	Double flowers



*Elsholtzia*

## DIERVILLA • *The Native Bush-Honeysuckles*

These low-growing, native shrubs are interesting for their yellow flowers and the Fall color of their foliage. They are very hardy and don't mind semi-shade or dry soil.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
D. SESSILIFOLIA (Southern Bush-Honeysuckle) . . . . .	4-5 ft.	Yellow	June, July	Moist, good soil	Spreading	Coarse in texture
D. TRIFIDA (Dwarf Bush-Honeysuckle) . . . . .	2-3 ft.	Yellow	June, July	Moist, good soil	Spreading	Red foliage in Fall

## DIRCA • *The Leatherwood*

This shrub is not spectacular, but it is interesting. It has yellow flowers some time in March, and red fruits. One point of interest lies in the fact that the tough and flexible bark and branches have often been used for thongs and barrel hoops by our ingenious forebears.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
D. PALUSTRIS (Leatherwood) . . . . .	4-6 ft.	Pale yellow	March, April	Moist loam	Slow, rounded form	Red fruits

## ELAEAGNUS • *The Deciduous Oleasters*

An unusual group of rather tall-growing shrubs, very interesting for their decorative fruits and the unusual silvery greens of their foliage. The inconspicuous flowers are, however, fragrant.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
E. ANGUSTIFOLIA (Russian Olive) . . . . .	15-18 ft.	Yellow	June	Well-drained, heavy soil	Upright, open	Fragrant flower, edible fruit
E. LONGIPES (Cherry Eleagnus) . . . . .	6- 8 ft.	Yellow	June	Well-drained, heavy soil	Spreading	Fragrant flower, edible fruit

## ELSHOLTZIA • *The Mint Shrub*

Here is a ground-covering shrub of very irregular habit of growth, but which is covered in September with spikes of purple flowers.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
E. STAUNTONI (Mint Shrub) . . . . .	3-4 ft.	Purple	September	Well-drained, good soil	Sprawling	Aromatic



*Enkianthus*

## ENKIANTHUS . *The Red-vein Enkianthus*

An almost evergreen shrub of the greatest interest. Its racemes of little bell-like flowers, the general high quality of its foliage, and the vivid red of its Autumn color are what make it so.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
E. CAMPANULATUS (Red-vein Enkianthus) .	6-8 ft.	Pink	May	Well-drained, moist soil	Upright, bushy	Red Fall color

## EUONYMUS . *The Strawberry Bush*

These tall and graceful shrubs are remarkable for the individuality of their colored fruits and the Fall tints of their foliage.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
E. ALATUS (Winged Euonymus) . . . . .	6- 8 ft.	Yellow	May	Good, rich soil	Spreading, dense	Crimson Fall color
E. ALATUS COMPACTA (Dwarf Winged Euonymus) . . . . .	4- 6 ft.	Yellow	May	Good, rich soil	Compact form	Crimson Fall color
E. AMERICANUS (Brook Euonymus) . . . . .	6- 8 ft.	Purplish green	June	Good, rich soil	Upright	Fruit orange and scarlet
E. EUROPÆUS (European Burning Bush) . .	12-15 ft.	Yellow-green	May	Good, rich soil	Erect	Scarlet fruit

## EXOCHORDA . *The Pearl-Bush*

Like pearls indeed are the abundant blossoms hung on the slender branches of this tall-growing shrub.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
E. GRANDIFLORA (Pearl-Bush) . . . . .	10-12 ft.	White	April, May	Well-drained loam, sun	Slender, spreading	Abundant flowers

## FORSYTHIA . *The Golden-Bells*

Bursts of yellow sunshine—Spring sunshine—are these bushes in early April. They typify Spring as no other shrub does. The foliage is substantial and in good condition all through the Summer.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
F. INTERMEDIA (Border Forsythia) . . . . .	6- 8 ft.	Yellow	April	Good, rich soil	Slender, erect	
F. INTERMEDIA SPECTABILIS (Showy Border Forsythia) . . . . .	8-10 ft.	Yellow	April	Good, rich soil	Upright, arching	Very showy
F. SUSPENSА (Weeping Forsythia) . . . . .	6- 8 ft.	Bright yellow	April	Good, rich soil	Pendulous	Very good clear color
F. SUSPENSА FORTUNEI (Fortune's Forsythia) . . . . .	6- 8 ft.	Bright yellow	April	Good, rich soil	Upright, arching	Strong growers
F. SUSPENSА SIEBOLDI (Siebold Forsythia) . . . . .	5- 6 ft.	Bright yellow	April	Good, rich soil	Slender, trailly	
F. VIRIDISSIMA (Greenstem Forsythia) . .	8-10 ft.	Bright yellow	April	Good, rich soil	Erect	Green stems



*Hibiscus*

## HAMAMELIS • *The Witch-Hazel*

This is the shrub most closely allied to Winter, for it blooms then—one group in February and early March, another in November. The touseled, pale yellow flowers often give a tinge to the Winter landscape.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
H. JAPONICA (Japanese Witch-Hazel) . . . . .	15-20 ft.	Pale yellow	February-April	Moist, open soil, sun	Compact, bushy	Good Fall color
H. JAPONICA ZUCCARINIANA (Lemon Japanese Witch-Hazel) . . . . .	15-20 ft.	Canary-yellow	March, April	Moist, open soil, sun	Compact, bushy	Good Fall color
H. MOLLIS (Chinese Witch-Hazel) . . . . .	15-20 ft.	Golden yellow	January-March	Moist, open soil, sun	Compact, bushy	Good Fall color
H. VERNALIS (Vernal Witch-Hazel) . . . . .	5- 6 ft.	Light yellow	January-March	Moist, open soil, sun	Compact, bushy	Increases by suckers
H. VIRGINIANA (Common Witch-Hazel) . . . . .	10-15 ft.	Bright yellow	October, November	Moist, open soil, sun	Upright, bushy	Bloom abundant

## HIBISCUS • *The Rose of Sharon*

A stiffly upright shrub that blooms in late Summer, and very beautiful flowers they are—each one a large, fringed cup like that of the hollyhock.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
H. SYRIACUS (Shrub-Althaea) . . . . .	10-12 ft.	White-purple	August	Deep, moist soil	Erect, pyramidal	Fine large flowers

## HIPPOPHAË • *The Sea-Buckthorn*

Narrow, silvery foliage and orange-yellow fruits give this large-growing shrub its distinction.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
H. RHAMNOIDES (Sea-Buckthorn) . . . . .	10-12 ft.	Yellowish	April	Good, average soil	Upright	Orange fruit

## HYDRANGEA • *The Hydrangeas*

Everything about these shrubs is on a large scale, and coarse—the leaves, stems and particularly the flower-heads.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
H. ARBORESCENS (Smooth Hydrangea) . . . . .	6- 8 ft.	White	June, July	Good, moist soil	Spreading	Will thrive in partial shade
H. ARBORESCENS GRANDIFLORA (Snowhill Hydrangea) . . . . .	6- 8 ft.	White	June	Good, moist soil	Spreading	Large flower-heads
H. PANICULATA (Panicle Hydrangea) . . . . .	8-10 ft.	White	July	Good, moist soil	Spreading	Single flowers
H. PANICULATA GRANDIFLORA (Peegee Hydrangea) . . . . .	8-10 ft.	White	August, September	Good, moist soil	Spreading	Very large flower panicles
H. QUERCIFOLIA (Oakleaf Hydrangea) . . . . .	5- 6 ft.	Pinkish white	June	Good, moist soil	Spreading and trailing	Leaves oak-shaped



*Hypericum*

## HYPERICUM • *The St. Johns-Wort*

These independent little shrubs are very free flowering and vary greatly in their habits of growth. They are all the yellowest of yellows.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
H. AUREUM (Golden St. Johns-Wort) . . . . .	3-4 ft.	Bright yellow	July, August	Open, moist soil	Stiff and compact	Likes partial shade
H. DENSIFLORUM (St. Johns-Wort) . . . . .	5-6 ft.	Bright yellow	July-September	Open, moist soil	Stiff and compact	Abundant flowers
H. MOSERIANUM (Gold-Flower) . . . . .	1-2 ft.	Golden yellow	August, September	Open, moist soil	Pendulous	Large flowers
H. PROLIFICUM (Shrubby St. Johns-Wort) . . . . .	4-5 ft.	Yellow	July, September	Open, moist soil	Dense	Will do in rocky places

## ILEX • *The Winterberries*

Sturdy, shapely shrubs that are most conspicuous for their abundant small red berries which give a decided color to the Winter landscape.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
I. DECIDUA (Possum-Haw) . . . . .	15-20 ft.	White	May	Good, well-drained soil	Spreading	Fruit orange-scarlet
I. SERRATA (Finetooth Winterberry) . . . . .	6- 8 ft.	White	June, July	Good, well-drained soil	Slender, spreading	Bright red fruit
I. VERTICILLATA (Common Winterberry) . . . . .	6- 8 ft.	White	June, July	Good, well-drained soil	Spreading	Likes wet places

## ITEA • *The Sweet Spire*

This shrub, of rather open, unimpressive habit, has for merits a fragrance and a fine Fall color.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
I. VIRGINICA (Sweet Spire) . . . . .	3-5 ft.	White	June, July	Moist, average soil	Upright, coarse	Good Autumn color, fragrant

## JASMINUM • *The Jasmine*

A green-stemmed, pendulous shrub that is loved for its bright bloom, like yellow stars along the slender branches. In warm corners these begin to appear in February.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
J. NUDIFLORUM (Winter Jasmine) . . . . .	4-6 ft.	Yellow	February, March	Rich loam	Slender, pendulous	Green stems



*Kolkwitzia*

## KERRIA • *The Kerria*

Bushy shrub with quantities of slender stems which are intensely green throughout the year, and is conspicuous when in flower.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
K. JAPONICA (Kerria) . . . . .	4-6 ft.	Golden yellow	June, September	Good, rich soil	Slender, broad	Green stems
K. JAPONICA FLORE-PLENO (Double-flowering Kerria) . . . . .	4-6 ft.	Golden yellow	June, September	Good, rich soil	Slender, broad	Double flowers

## KOLKWITZIA • *The Beauty-Bush*

A billowing, tumbling shrub that grows and flowers with great abandon.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
K. AMABILIS (The Beauty-Bush) . . . . .	6-8 ft.	Shell-pink	June	Good, rich soil	Tumbling, dense	Very abundant bloom

## LESPEDeza • *The Bush Clover*

Feathery and pendulous shrubs which in severe Winters die to the ground, but come strongly again the following Spring.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
L. BICOLOR (Shrub Bush Clover) . . . . .	6-8 ft.	Purple	July, October	Good, rich soil	Slender, graceful	Pea-shaped flowers
L. FORMOSA (Purple Bush Clover) . . . . .	4-6 ft.	Rose-purple	September	Good, rich soil	Pendulous	Dies back in Winter

## LIGUSTRUM • *The Privets*

This is a group of shrubs which has been found very useful because of its excellent foliage. It is depended upon for hedges everywhere.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
L. AMURENSE (Amur Privet) . . . . .	12-15 ft.	White	June, July	Good, average soil	Upright	Hardy
L. IBOTA (Ibota Privet) . . . . .	10-12 ft.	White	June	Good, average soil	Upright	Pale green foliage
L. IBOTA REGELIANUM (Regel's Privet) . . . . .	5- 6 ft.	White	June	Good, average soil	Spreading, rugged	Graceful form
L. OVALIFOLIUM (California Privet) . . . . .	12-15 ft.	White	July	Good, average soil	Upright	Dies back in severe Winters
L. QUIHOU (Quihou Privet) . . . . .	5- 6 ft.	White	September, October	Good, average soil	Spreading	Long spikes of flowers
L. VULGARE (European Privet) . . . . .	10-12 ft.	White	June, July	Good, average soil	Upright	Heavily fruited



*Lonicera*

## LONICERA • *The Bush Honeysuckles*

Lush-growing mounds of foliage, blooming early and fruiting conspicuously.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
L. CHRYSANTHA (Coralline Honeysuckle) . . .	10-12 ft.	Yellowish white	May, June	Good, rich soil	Upright	Coral-red fruit
L. FRAGRANTISSIMA (Winter Honeysuckle)	6- 8 ft.	White	March, April	Good, rich soil	Spreading	Fragrant flowers, scarlet fruit
L. KOROLKOWI (Blue-leaf Honeysuckle) . . .	10-12 ft.	Pink	May, June	Good, rich soil	Spreading	Red fruit
L. MORROWI (Morrow Honeysuckle) . . .	6- 8 ft.	White	May	Good, rich soil	Spreading	Red fruit
L. RUPRECHTIANA (Manchurian Honeysuckle) . . . . .	8-10 ft.	White	May, June	Good, rich soil	Upright, arching	Red or yellow fruit
L. STANDISHI (Standish Honeysuckle) . . .	5- 6 ft.	White	March, April	Good, rich soil	Upright	Very fragrant flowers, scarlet fruit
L. TATARICA (Tatarian Honeysuckle) . . .	8-10 ft.	Pink to white	May, June	Good, rich soil	Upright, dense	Abundant red fruit

## LYCIUM • *The Matrimony-Vine*

A tumbling, trailing shrub conspicuous for its orange fruits, as well as for its habit of growth.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
L. CHINENSE (Chinese Matrimony-Vine) . . .	8-10 ft.	Purple	July	Good, well-drained soil	Pendulous	Scarlet berries, very showy

## MYRICA • *The Bayberry*

The beautiful aromatic foliage of this shrub resembles many of the broad-leaved evergreens, but it falls in due time and reveals the clustered gray berries along the stems. Bayberry candles are made from these.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
M. CAROLINIENSIS (Northern Bayberry) . . .	6-8 ft.	Inconspicuous		Dry, good soil	Rounded, dense	Wax from berries

## PHILADELPHUS • *The Mock-Orange*

These are tall, stiffly upright-growing shrubs. One of them, *Philadelphus coronarius*, is sweet with a fragrance very alluring and redolent of old gardens and old times.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
P. CORONARIUS (Sweet Mock-Orange) . . .	8-10 ft.	White	June	Good, rich soil	Upright	Fragrant flowers
P. CORONARIUS SPECIOSISSIMUS (Roundleaf Mock-Orange) . . . . .	8-10 ft.	White	June	Good, rich soil	Upright	Very fragrant
P. FALCONERI (Star Mock-Orange) . . . . .	6- 8 ft.	White	June	Good, rich soil	Slender, arching	Fragrant
P. LEMOINEI (Lemoine Mock-Orange) . . .	4- 6 ft.	White	June	Good, rich soil	Spreading	Delicate perfume
P. VIRGINALIS (Virginal Mock-Orange) . . .	6- 8 ft.	White	June	Good, rich soil	Upright	Semi-double flowers
P. ZEYHERI (Zeyher Mock-Orange) . . . .	8-10 ft.	White	June	Good, rich soil	Spreading, arching	Very large flowers



*Sambucus*

## PHOTINIA • *The Christmas Berry*

A large but gracefully growing shrub, beautiful in every way—in foliage, flower and fruit. It puts on its best performance in the Fall when the fruit is red against the yellow leaves, and the graceful form of the branching begins to show through.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
P. VILLOSA (The Christmas Berry) . . . . .	10-12 ft.	White	May, June	Good, rich soil	Upright, graceful	Yellow Fall color, red fruit

## PHYSOCARPUS • *The Ninebark*

Here is a coarse, rapid-growing shrub with shaggy bark and pale green leaves, a very ruffian of a shrub.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
P. OPULIFOLIUS (Common Ninebark) . . . . .	8-10 ft.	White	May, June	Good, average soil	Upright	Likes partial shade
P. OPULIFOLIUS AUREA (Goldleaf Ninebark) . . . . .	8-10 ft.	White	May, June	Good, average soil	Upright	Golden foliage

## PRUNUS • *The Flowering Plums*

To see these shrubs aglow with the delicate blossoms in the Spring is to fall in love with them permanently.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
P. MARITIMA (Beach Plum) . . . . .	5-6 ft.	White	May	Sandy	Irregular, spreading	Edible fruits, likes seashore
P. TRILOBA (Flowering Plum) . . . . .	7-8 ft.	Pink	May	Good, rich soil	Spreading, tree-like	Abundant bloom

## RHAMNUS • *The Buckthorns*

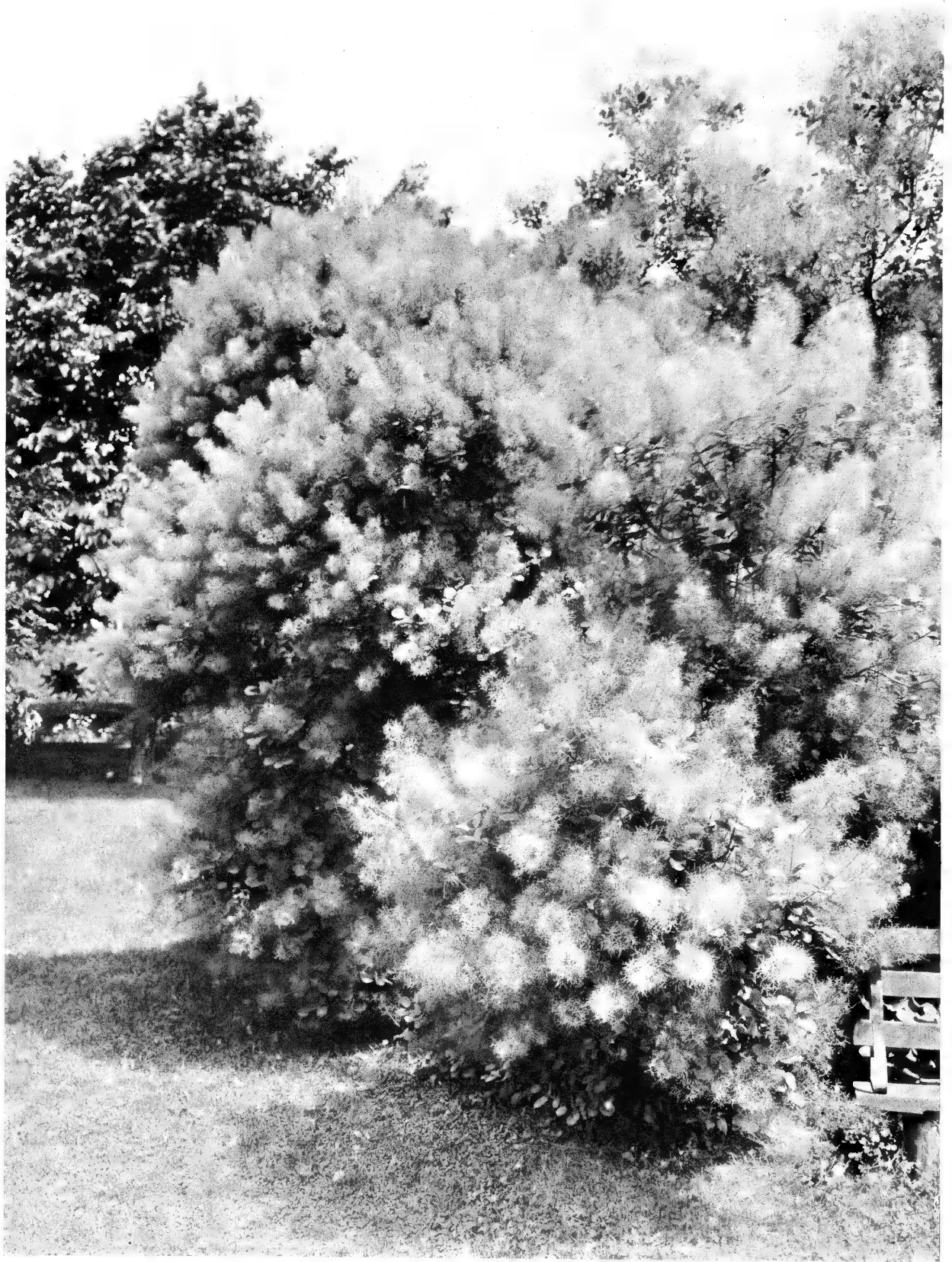
The Buckthorns are all shrubs with rather good foliage and glossy black fruits. They are tolerant of a good deal of shade.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
R. CATHARTICA (Common Buckthorn) . . . . .	8-10 ft.	Green	June	Well-drained soil	Open, upright	Fruit, shiny black
R. FRANGULA (Glossy Buckthorn) . . . . .	10-12 ft.	Light yellow	July	Well-drained soil	Open, upright	Red to black fruit, shiny foliage

## RHODOTYPOS • *The White Kerria*

This is a shrub which blooms and bears fruit, yet it is not particularly striking in either performance. It will stand a good deal of shade.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
R. KERRIOIDES (Jetbead) . . . . .	4-6 ft.	White	May-August	Good soil	Upright and open	Thrives in shade



*Rhus cotinus*

## RHUS • *The Sumacs*

These shrub Sumacs are interesting in every way. Their foliage is good, their fruit panicles striking, and the Fall color most brilliant.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
R. CANADENSIS (Fragrant Sumac) . . . . .	2- 4 ft.	Yellow	March, April	Dry, sunny situations	Low, spreading	Fragrant, with fine Fall color
R. COPALLINA (Shining Sumac) . . . . .	5- 6 ft.	Greenish	July, August	Dry, sunny situations	Spreading	Shiny leaves
R. COTINUS (Smoke Tree) . . . . .	12-15 ft.	Smoky white	July, August	Well-drained, good soil	Upright and graceful	Mist-like bloom, crisp, green foliage

## RIBES • *The Flowering Currants*

Very decorative little shrubs with deeply cut leaves and delightful fragrance in Spring.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
R. AUREUM (Slender Golden Currant) . . . . .	5-6 ft.	Yellow	May	Rich soil	Upright and open	Delicate fragrance, tolerant of shade
R. SANGUINEUM (Winter Currant) . . . . .	6-8 ft.	Red	May	Rich soil	Upright and open	Aromatic

## SALIX • *The Bush Willows*

These shrub Willows are all fast-growing plants. The mass of the foliage is attractive.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
S. HUMILIS (Prairie Willow) . . . . .	6- 8 ft.	Catkins	Early Spring	Dry ground	Various shapes	A good bushy Willow
S. INCANA (Rosemary Willow) . . . . .	8-10 ft.	Catkins	Early Spring	Dry, good soil	Pendulous, dense foliage	Very narrow leaves
S. SERICEA (Silky Willow) . . . . .	6- 8 ft.	Catkins	Early Spring	Dry, good soil	Very bushy	Silky leaves

## SAMBUCUS • *The Elders*

The Elderberries are rapid and coarse in growth, but very interesting, nevertheless, for their flowers and early fruits.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
S. CANADENSIS (American Elder) . . . . .	6- 8 ft.	White	June, July	Moist soil	Rapid and open	Abundant black, useful fruits
S. NIGRA AUREA (Golden European Elder)	10-12 ft.	Yellow, white	May, June	Moist soil	Rapid and coarse	Black, lustrous fruit
S. PUBENS (Scarlet Elder) . . . . .	8-12 ft.	White	May	Moist soil	Rapid and coarse	Early red fruit



*Spiraea*

## SORBARIA . *The False Spirea*

A quite handsome shrub with its compound, pointed foliage and large panicles of white flowers in midsummer. It spreads rapidly by suckers.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
S. SORBIFOLIA . . . . .	4-6 ft.	White	July	Moist soil	Strong and upright	Throws up many root suckers

## SPIRAEA . *The Spireas*

This group is gay with Spring bloom—the kind of bloom which drenches the whole plant with white.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
S. BUMALDA (Bumalda Spirea) . . . . .	2-3 ft.	Pink	July	Any good soil	Low, flat bush	Partial shade
S. BUMALDA, ANTHONY WATERER (Anthony Waterer Spirea) . . . . .	2-3 ft.	Crimson	June, July	Any good soil	Dense and flat	Gardenesque
S. FRÆBELI (Frœbel Spirea) . . . . .	3-4 ft.	Rose-pink	May, June	Any good soil	Similar to above	Bright-colored flowers
S. PRUNIFOLIA FLORE-PLENO (Double Bridal Wreath) . . . . .	5-6 ft.	White	May	Any good soil	Arching branches	Abundance of double flowers
S. REEVESIANA (Reeves Spirea) . . . . .	4-6 ft.	White	June	Any good soil	Spreading	Holds foliage until late in Fall
S. THUNBERGI (Thunberg's Spirea) . . . . .	4-5 ft.	White	April	Any good soil	Low and pendulous	Mass of delicate flowers in early Spring
S. VANHOUTTEI (Van Houtte Spirea) . . . . .	5-6 ft.	White	May	Any good soil	Graceful and pendulous	Splendid foliage

## STAPHYLEA . *The Bladder-Nuts*

While this tall shrub is not spectacular in its performance, it is interesting for the flowers and the greenish fruits.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
S. COLCHICA (Colchis Bladder-Nut) . . . . .	8-10 ft.	Yellowish white	May, June	Moist, rich soil	Upright	Pale green fruit
S. TRIFOLIA (American Bladder-Nut) . . . . .	10-12 ft.	White	April, May	Moist, rich soil	Upright	Thrives in partial shade

## STEPHANANDRA . *The Stephanandra*

Here is a shrub with very dense foliage, deeply cut.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
S. FLEXUOSA (Cut-leaf Stephanandra) . . . . .	3-6 ft.	White	June	Any good soil	Compact, bushy	Very graceful



*Syringa vulgaris*

## SYMPHORICARPOS • *The Snowberry and Coral-Berry*

These low-growing, pendulous shrubs are most interesting for their garlanded fruits.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
S. RACEMOSUS (Common Snowberry) . . . . .	4-5 ft.	Pinkish	June	Any good soil	Pendulous	Large snow-white fruit
S. VULGARIS (Coral-Berry) . . . . .	3-4 ft.	White	May, June	Any good soil	Pendulous	Coral-pink fruit

## SYMPLOCOS • *The Turquoise Berry*

It is a startling sight to come upon a graceful bush of Symplocos when it is blue with berries.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
S. PANICULATA (Asiatic Sweetleaf) . . . . .	8-10 ft.	White	May, June	Well-drained, good soil	Graceful and sturdy	Intensely blue fruit attractive to birds

## SYRINGA • *The Lilacs*

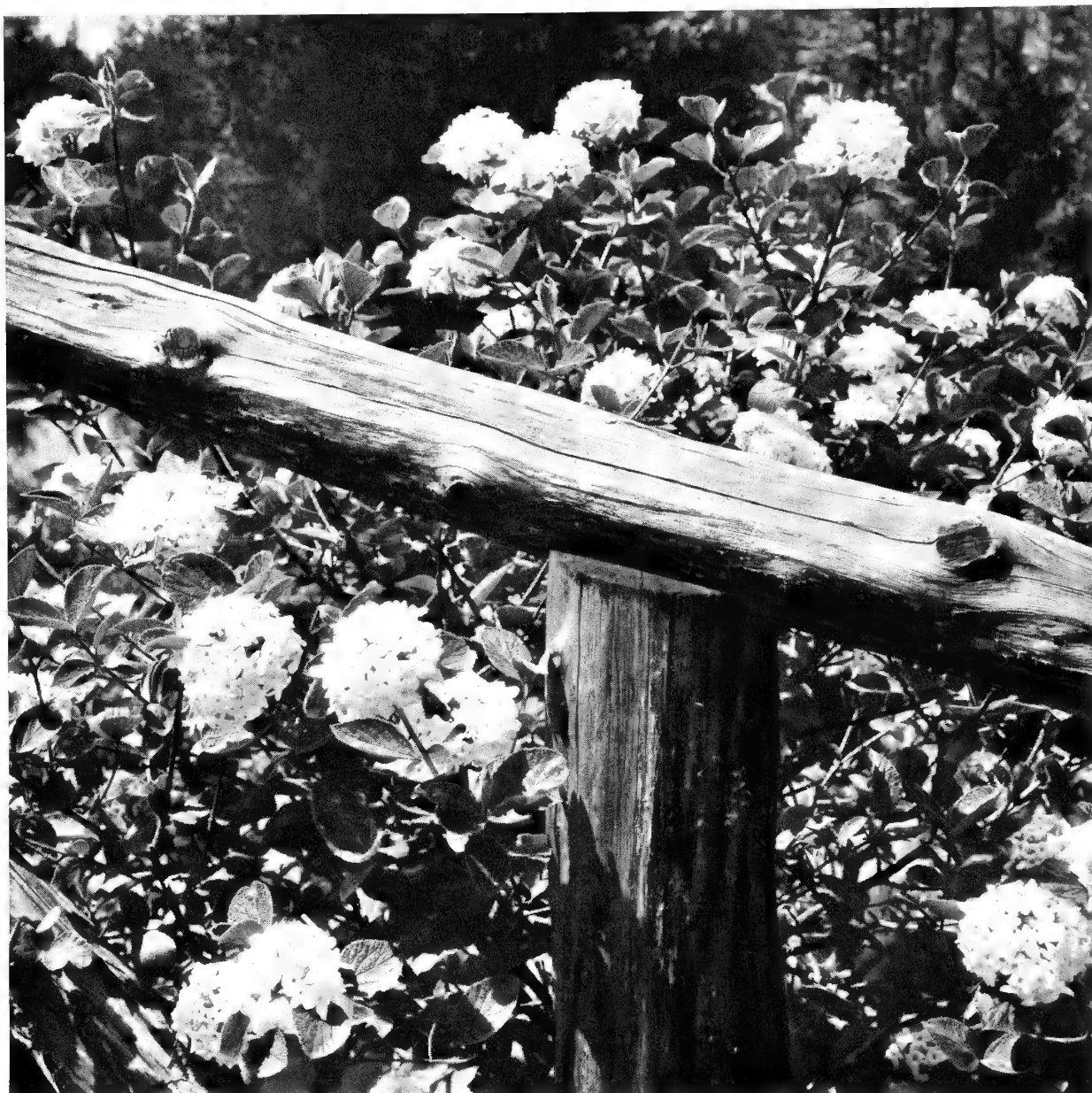
There is no shrub in the long list of species that is better loved than the Lilac. It has earned this regard through sheer merit. To its beauty of fragrant bloom is added that of substantial foliage.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
S. CHINENSIS (Chinese Lilac) . . . . .	10-12 ft.	Purple-lilac	May, June	Good, rich soil	Upright, arching	Loose panicles of bloom
S. JAPONICA (Japanese Tree Lilac) . . . . .	15-20 ft.	Yellowish white	June, July	Good, rich soil	Strong and upright	Extremely large, open panicles of bloom
S. JOSIKÆA (Hungarian Lilac) . . . . .	10-12 ft.	Violet	May, June	Good, rich soil	Coarse, upright	Slightly fragrant, valuable for late bloom
S. PERSICA (Persian Lilac) . . . . .	8-10 ft.	Pale lilac	May, June	Good, rich soil	Upright and arching	Late, abundant bloom
S. VILLOSA (Late Lilac) . . . . .	8-10 ft.	Pinkish lilac	May, June	Good, rich soil	Upright and bushy	Late-blooming
S. VULGARIS (Common Lilac) . . . . .	12-15 ft.	True lilac or white	May	Good, rich soil	Strong and upright	This is the old-fashioned fragrant Lilac
S. VULGARIS HYBRIDS AND NAMED VARIETIES	4-10 ft.	All shades white to deep purple	April-June	Good, rich soil	Upright	A great variety of forms and colors

## TAMARIX • *The Tamarisks*

These are tall, loose-growing shrubs with very fine, feathery foliage, and spikes of soft bloom of the same character.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
T. AFRICANA (African Tamarix) . . . . .	10-12 ft.	Pink	April	Light, sandy	Tall and sprawling	Feathery bloom and foliage
T. GALICA (French Tamarix) . . . . .	15-20 ft.	Pink	April	Light, sandy	Tall and sprawling	Feathery bloom and foliage



*Viburnum Carlesi*

## VACCINIUM • *The Blueberry*

The Highbush Blueberry makes a beautiful, shapely shrub with interesting bloom and splendid Fall color. This in addition to the delicious berries which ripen so profusely in the northern parts of its range.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
V. CORYMBOSUM (Highbush Blueberry) . . .	6-8 ft.	White	April	Woodsy loam	Many-branched, regular	Striking Fall color

## VIBURNUM • *The Viburnums*

This is a large and important group among the shrubs. It is a group in which all the members have quality and distinction. Each one has some particular merit, some point of difference from its relatives which gives it individuality. They all excel in foliage, bloom, fruit and Autumn color.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
V. ACERIFOLIUM (Mapleleaf Viburnum) . . .	4- 5 ft.	White	May, June	Shaded, dry soil	Spreading	Splendid for woodland undergrowth
V. CARLESI (Fragrant Viburnum) . . . . .	5- 6 ft.	Pink and white	April, May	Well-drained, good soil	Graceful shapes	Exquisite fragrance
V. CASSINOIDES (Withe-rod) . . . . .	6- 8 ft.	White	June, July	Good, moist soil	Upright and strong	Will do well in low ground
V. DENTATUM (Arrow-Wood) . . . . .	10-12 ft.	White	May, June	Good, moist soil	Tall and upright	Tolerant of shade
V. DILATATUM (Linden Viburnum) . . . . .	8-10 ft.	White	May, June	Good, rich soil	Upright and strong	Abundance of red fruit
V. LANTANA (Wayfaring-Tree) . . . . .	15-18 ft.	White	May, June	Dry, lime-stone soil	Upright and strong	Bright red, changing to purple
V. LENTAGO (Nanny-Berry) . . . . .	15-20 ft.	White	May, June	Good, rich soil	Gracefully tree-like	Will stand considerable moisture
V. MOLLE (Kentucky Viburnum) . . . . .	10-12 ft.	White	May	Good soil	Upright and strong	Early bluish black fruit
V. OPULUS (European Cranberry-Bush) . . .	8-10 ft.	White	May, June	Good soil	Strong, free growing	Subject to attack of aphids
V. OPULUS NANUM (Dwarf Cranberry-Bush)	1- 2 ft.	None		Good soil	Dwarf and compact	Small scale foliage
V. OPULUS STERILE (Common Snowball) . .	8-10 ft.	White	May, June	Good soil	Strong, free growing	Old-fashioned Snowball
V. PRUNIFOLIUM (Blackhaw) . . . . .	12-15 ft.	White	May	Good soil	Spreading	Autumn color fruit blue to black
V. SARGENTI (Sargent's Cranberry-Bush) .	10-12 ft.	White	May, June	Good soil	Dense and upright	Red fruits
V. SIEBOLDI (Siebold Viburnum) . . . . .	8-10 ft.	White	May, June	Good, moist soil	Strong, upright	Foliage large
V. THEIFERUM (Tea Viburnum) . . . . .	10-12 ft.	White	May, June	Good, rich soil	Strong, upright	Showy, red fruit
V. TOMENTOSUM (Doublefile Viburnum) . .	8-10 ft.	White	June	Good, rich soil	Spreading	Unusual display of bloom
V. TOMENTOSUM PLICATUM (Japanese Snowball) . . . . .	6- 8 ft.	White	June	Good, rich soil	Dense foliage, spreading	Abundance of white snowballs
V. WRIGHTII (Wright Viburnum) . . . . .	6- 8 ft.	White	May, June	Good, rich soil	Upright and strong	Profuse red fruit



*Vitex*

## VITEX • *The Chaste-Tree*

A late Summer-blooming shrub of open growth with finely cut foliage. It has a frail sort of beauty which is appealing.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
V. AGNUS-CASTUS (Lilac Chaste-Tree) . . . . .	8-10 ft.	Lilac	July, August	Average, good soil	Upright, open grower	Valuable for late Summer bloom

## WEIGELA • *The Weigelas*

These twiggy, full-growing shrubs are very conspicuous when in flower. They do not possess, however, the delicacy of detail which holds our interest permanently.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
W. AMABILIS (Rose Weigela) . . . . .	5-6 ft.	Pink	May, June	Good soil	Spreading	Flowers in abundance
W. HYBRIDA, EVA RATHKE (Eva Rathke Weigela) . . . . .	5-6 ft.	Crimson	May	Good soil	Spreading	Flowers in abundance
W. HYBRIDA, STELTZNERI (Steltzner Weigela)	5-6 ft.	Pink	May	Good soil	Spreading	Flowers in abundance
W. HYBRIDA, VANHOUTTEI (Van Houtte Weigela) . . . . .	5-6 ft.	Dark red	May	Good soil	Spreading	Flowers in abundance
W. HYBRIDA, VERSCHAFFELTI (Verschaffelt Weigela) . . . . .	5-6 ft.	Carmine	May	Good soil	Spreading	Flowers in abundance
W. ROSEA (Pink Weigela) . . . . .	5-6 ft.	Carmine-pink	May	Good soil	Spreading	Flowers in abundance

## ZANTHORHIZA • *The Yellow-Root*

This is a low-growing feathery little shrub which spreads by shoots from the roots, and carpets the ground with yellow in the Autumn.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
Z. APIIFOLIA (Yellow-Root) . . . . .	1-2 ft.	Inconspicuous		Good, average soil	Low, spreading	Good ground-cover



*Clematis*

# VINES

**I**F LIVING plants may be said to express gaiety, cheerfulness, humor—the Vines are most certainly the exponents of these emotions.

It is a pleasant concept to compare the expression of growing things—the Great Green Pageant—with the performance of a noble symphony. In this performance the Evergreen Trees sustain the slow, resounding Adagio; the Deciduous Trees, the melodic Andante Cantabile; the Shrubs, the vivacious Allegro; and the Vines, the rollicking Scherzo—or even the Ballet!

They dance in the winds, they peep in through our windows, they climb trees and beckon to us from the inaccessible height. They clamber over walls. They conceal our architectural mistakes and build comfortable bowers for our delight. They cling and reach and twine. They flower and fruit and glow with Autumn hues. They are always trying to escape us. They resist our restraining hands with thorns. But we love them as we love restlessly active children.

## ACTINIDIA • *The Silver-Vine*

A very thick-foliaged vine, extremely rapid in growth and very satisfactory as a screen.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
A. POLYGAMA (Silver-Vine) . . . . .	50 ft.	White	June	Moist, rich soil	Strong and dense	Yellow fruit, early Fall

## AKEBIA • *The Akebia*

This is a lovely, decorative vine of delicate, graceful character. The early Spring bloom is deliciously fragrant.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
A. QUINATA (Five-leaf Akebia) . . . . .	25-30 ft.	Brownish purple	May	Well-drained soil	Delicate and graceful	Fragrant

## AMPELOPSIS • *The Deciduous Creepers*

A very strong-growing group with dominant foliage and, in many cases, interesting fruits and Fall color.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
A. HETEROPHYLLA (Porcelain Ampelopsis)	25- 30 ft.	Green	July, August	Good loam	Cling by tendrils	Purplish blue
A. HETEROPHYLLA AMURENSIS (Amur Ampelopsis) . . . . .	30- 40 ft.	Green	July, August	Good loam	Cling by tendrils	Many shaded, from pink to blue
A. QUINQUEFOLIA (Virginia Creeper) . . . .	30- 40 ft.	Inconspicuous		Good loam	Aërial roots, twining stems	Fruits blue, scarlet Fall color
A. QUINQUEFOLIA ENGELMANNI (Engelmann Creeper) . . . . .	30- 40 ft.	Inconspicuous		Good loam	Aërial roots, twining stems	Smaller foliage than type
A. TRICUSPIDATA (Japanese Creeper) . . . .	80-100 ft.	Inconspicuous		Good loam	Aërial roots	Coarse, large-scale foliage
A. TRICUSPIDATA LOWI (Geranium Creeper)	60- 80 ft.	Inconspicuous		Good loam	Aërial roots	Smaller leaves than type, good Fall color

## ARISTOLOCHIA • *The Dutchmans-Pipe*

The Dutchmans-Pipe is big in every way. Very rapid in growth, large of leaf, dense of foliage.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
A. SIPHO (Dutchmans-Pipe) . . . . .	30-40 ft.	Inconspicuous		Good loam	Very rapid growth	Leaves are very large

## BIGNONIA • *The Trumpet Creepers*

When vines bloom like the Trumpet Creepers they are sure of a place in our affections. Clean, strong climbers which do their own clinging, are these.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
B. GRANDIFLORA (Chinese Trumpet Creeper)	30-40 ft.	Scarlet	August, September	Rich soil		Must be supported
B. GRANDIFLORA, MME. GALEN (Orange Trumpet Creeper) . . . . .	30-40 ft.	Orange	August, September	Rich soil	Rapid growth	Must be supported
B. RADICANS (Trumpet Creeper) . . . . .	30-40 ft.	Orange-scarlet	July-September	Rich soil	Rapid growth	A self-clinger

## CELASTRUS • *The Bittersweet Vine*

The wild abandon of growth, the brilliant display of orange fruit in Autumn, and the excellent foliage are the things for which we like the Bittersweet.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
C. SCANDENS (American Bittersweet) . . . . .	20-25 ft.	Greenish white	June	Good, average soil	Irregular and tumbling	Fruit yellow and vermillion

## CLEMATIS • *The Clematis Vines*

Here is the last word in delicacy and grace, in vines. The blossoms have so frail a loveliness, and the slender, reaching stems a form and movement so appealing that when we look on a Clematis in bloom on a garden wall, or spreading its tracery over a doorway, we are reminded of the lovely pastoral music of MacDowell.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
C. PANICULATA (Sweet Autumn Clematis) . . . . .	6-10 ft.	Scarlet	July-September	Rich soil, moisture	Delicate and open	Bell-shaped flowers
C. TEXENSIS (Scarlet Clematis) . . . . .	20-25 ft.	White	September	Rich soil, moisture	Rapid, dense	Good foliage, profuse bloom
C. VIRGINIANA (Virgin's Bower) . . . . .	15-20 ft.	White	July-September	Rich soil, moisture	Delicate and open	Lovely flowers in panicles
C. HYBRIDS . . . . .	8-10 ft.	Various	July-October	Rich, moist soil	Delicate and open	Very large flowers

## EUONYMUS • *The Climbing Euonymus*

Evergreen climbers which will cling to stone or brick walls. Their deep green vigor is worth the trouble of spraying, which must be done to keep them free of scale.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
E. RADICANS (Winter Creeper) . . . . .	15-20 ft.	Greenish white	June, July	Good, average soil	Dense, clinging	Must be sprayed for scale, ever-green
E. RADICANS CARRIERI (Glossy Winter Creeper) . . . . .	3- 4 ft.	Greenish white	June, July	Good, average soil	Bushy	Must be sprayed for scale, ever-green
E. RADICANS COLORATUS (Purple Winter Creeper) . . . . .	8-10 ft.	Greenish white	June, July	Good, average soil	Dense, clinging	Good Autumn color
E. RADICANS KEWENSIS (Baby Winter Creeper) . . . . .	10-12 ft.	Greenish white	June, July	Good, average soil	Prostrate	A good ground-cover in shade
E. RADICANS VEGETUS (Bigleaf Winter Creeper) . . . . .	5- 6 ft.	Greenish white	June, July	Good, average soil	Shrubby	Good fruit

## HEDERA • *The Ivies*

These are the evergreen English Ivies which have clung to the walls and towers of oldest England and been sung by her poets and loved by all people for generations. It still clings to our walls and warms many a north-facing corner throughout the long Winter.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
H. HELIX (English Ivy) . . . . .	60-80 ft.	Greenish	June	Good, rich soil	Dense, clinging	Thrives on north side of buildings, evergreen
H. HELIX BALTICA (Baltic Ivy) . . . . .	15-20 ft.	Greenish	June	Good, rich soil	Dense, clinging	Foliage smaller than type, very hardy
H. HELIX GRACILIS (Minute-leaf Ivy) . . . . .	15-20 ft.	Greenish	June	Good, rich soil	Dense, clinging	Leaves bronze in Fall

## HYDRANGEA • *The Climbing Hydrangea*

A distinguished, self-clinging vine with dense, shadowy foliage. It is especially decorative when studded in Summer with the flat heads of Hydrangea-like blooms.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
H. PETIOLARIS (Climbing Hydrangea) . . . . .	60-70 ft.	White	June, July	Rich, porous soil	Dense, clinging	Very decorative flower

## LATHYRUS • *Climbing Pea*

This thick, mounded vine is a perennial—its top dying to the ground each Winter. It scrambles over anything and is bright with bloom in midsummer.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
L. LATIFOLIUS (Perennial Pea) . . . . .	6-8 ft.	Rose and white	June	Rich soil	Irregular, dense	Tops die down in Winter

## LONICERA • *The Honeysuckle Vines*

In blooming-time these vines fill the air with fragrance. They are rampant growers and will take possession of any planting unless restrained.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
L. HENRYI (Henry Honeysuckle) . . . . .	15-20 ft.	Red	June-August	Good, average soil	Trailing	Good foliage
L. JAPONICA HALLIANA (Hall's Honeysuckle) . . . . .	20-30 ft.	White	June-August	Good, average soil	Trailing	Spreading by rootstock
L. SEMPERVIRENS (Trumpet Honeysuckle) . . . . .	20-30 ft.	Scarlet	May-September	Good, average soil	Trailing	Scarlet trumpets

## PUERARIA • *The Kudzu-Vine*

One of the most rapid-growing vines, sometimes making 40 to 50 feet in a season. In severe climates the tops die down in Winter.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
P. THUNBERGIANA (Kudzu-Vine) . . . . .	50-60 ft.	Purple	July, August	Good, well-drained soil	Rapid, thick	Very large leaves

## SCHIZOPHRAGMA • *The Japanese Hydrangea-Vine*

This is similar to the Climbing Hydrangea (*Hydrangea petiolaris*) described above. It will perform well in partial shade.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
S. HYDRANGEOIDES (Japanese Hydrangea-Vine) . . . . .	30-40 ft.	White	July	Good, well-drained soil	Self-clinging	Likes partial shade

## VITIS • *The Grape-Vines*

No vine is more decorative than the Vitis. In size and shape the leaf is very pleasant to our scale, and the small bunches of dark fruits interesting and attractive. There is a very subtle fragrance to the blossoms.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
V. ÆSTIVALIS (Summer Grape) . . . . .	40-50 ft.	Inconspicuous		Rich loam	Strong and dense	Blue-black fruit
V. CORDIFOLIA (Frost Grape) . . . . .	50-60 ft.	Inconspicuous		Rich loam	Very vigorous	When touched by frost, fruit can be eaten
V. LABRUSCA (Fox Grape) . . . . .	40-50 ft.	Inconspicuous		Rich loam	Strong grower	Purple-black fruit

## WISTERIA • *The Wisterias*

In its large, strong way, the Wisteria is the most brilliant of all vines. Its purple or white flowers drench the vine in color. It grows to a great old age, with much grace.

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
W. FLORIBUNDA (Japanese Wisteria) . . . . .	20-25 ft.	Purple	June	Good, rich soil	Strong and rapid	Very long racemes of flowers
W. FRUTESCENS (American Wisteria) . . . . .	25-30 ft.	Lilac-purple	June	Moist soil	Strong and rapid	Flowers not so large as others
W. FRUTESCENS MAGNIFICA (Yelloweye Wisteria) . . . . .	25-30 ft.	Lilac, with yellow spot	May	Good, rich soil	Strong and rapid	Largest flowers
W. SINENSIS (Chinese Wisteria) . . . . .	25-30 ft.	Blue-violet	June	Good, rich soil	Strong and rapid	Flowers all come at once
W. SINENSIS ALBA (White Chinese Wisteria) . . . . .	25-30 ft.	White	June	Good, rich soil	Strong and rapid	Flowers all come at once

# ROSES

THE highest horticultural achievement of Nature and man is unquestionably the Rose. So great has the love of this flower grown that a great literature has sprung up from it, and a great industry. Many associations and societies have been formed for the purpose of studying the Rose, of publishing the facts concerning it.

It is beyond the province of this book to cover the large field occupied by all the forms and phases of this flower, but it should call attention to that group which justly belongs to the flowering shrubs. In this group is all the loveliness and delicacy that a flower can express. The wild Rose stirs fragrant memories and arouses sweet and happy emotions. There is no reason why we should not enjoy the companionship of these simple, beautiful species as well as that of their more cultivated, pampered sisters of the Rose-garden.

## WILD AND BUSH ROSES

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
ROSA CAROLINA (Pasture Rose) . . . . .	3 ft.	Pink	June, July	Heavy, rich loam	Low, bushy	Will spread by suckers
R. HUGONIS (Hugonis Rose) . . . . .	5- 6 ft.	Yellow	May	Heavy, rich loam	Upright, bushy	Very free flowering
R. MULTIFLORA (Japanese Rose) . . . . .	8-10 ft.	White	June	Heavy, rich loam	Tumbling or climbing	Small flowers in numerous heads
R. RUBIGINOSA (Sweetbrier) . . . . .	5- 6 ft.	Bright pink	June	Heavy, rich loam	Compact	Aromatic leaves
R. RUGOSA (Rugosa Rose) . . . . .	5- 6 ft.	White, pink	May, September	Heavy, rich loam	Upright, bushy	Large red fruits
R. SETIGERA (Prairie Rose) . . . . .	5- 6 ft.	Deep pink	June, July	Heavy, rich loam	Pendulous	Fine tumbling mass of foliage
R. SPINOSISSIMA (Scotch Rose) . . . . .	4- 5 ft.	Yellow, white	June	Heavy, rich loam	Open, spreading	Black fruit
R. WICHURAIANA (Wichuraiana Rose) . . . . .	10-12 ft.	White	June	Heavy, rich loam	Trailing	Fragrant

## THE BRIER ROSES

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
THE YELLOW BRIERS . . . . .	8-10 ft.	Yellow	June	Dry, rich loam	Upright, arching	Do not like too much pruning
LORD PENZANCE SWEETBRIERS . . . . .	8-10 ft.	Shades of pink	June	Dry, rich loam	Upright, arching	Beautiful short-lived flowers

## THE CLIMBING ROSES

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
THE BEST NAMED VARIETIES . . . . .	15-20 ft.	All shades	June, July	Heavy, rich loam	Climbing	The epitom of rose bloom

## THE HYBRID PERPETUALS AND HYBRID TEAS

	HEIGHT AT MATURITY	COLOR OF BLOOM	TIME OF BLOOM	CONDITIONS FOR GROWTH	HABIT OF GROWTH	REMARKS
THE OLD FAVORITES AND THE NEW . . . . .	2-6 ft.	All shades	June-December	Heavy, rich loam	Upright, bushy	Blooms throughout the season



# A Selected List of Perennial Flowers for General Use in Gardens

## BLOOMING IN APRIL

	HEIGHT	COLOR
ADONIS VERNALIS (Spring Adonis) . . . . .	8-12 in.	Yellow
ALYSSUM SAXATILE COMPACTUM (Golden-Tuft) . . . . .	8-10 in.	Yellow
ANEMONE PULSATILLA (Pasque Flower) . . . . .	8-10 in.	Purple
AQUILEGIA CANADENSIS (Columbine) . . . . .	18 in.	Red and yellow
ARABIS ALPINA (Rock-Cress) . . . . .	12 in.	White
AUBRIETIA DELTOIDEA (Common Aubrietia) . . . . .	8 in.	Blue-purple
IBERIS SEMPERVIRENS (Evergreen Candytuft) . . . . .	8-12 in.	White
MERTENSIA VIRGINICA (Virginia Bluebells) . . . . .	18 in.	Blue
NEPETA MUSSINI (Catmint) . . . . .	12 in.	Lavender
PAPAVER NUDICAULE (Iceland Poppy) . . . . .	12 in.	Yellow, orange, white
PHLOX DIVARICATA (Blue Phlox) . . . . .	12 in.	Lavender
PHLOX SUBULATA (Moss Phlox) . . . . .	4- 6 in.	Pink, blue, white
POLEMONIUM REPTANS (Creeping Polemonium) . . . . .	8-10 in.	Blue
PRIMULA ACAULIS (English Primrose) . . . . .	6 in.	Yellow
PRIMULA POLYANTHA (Polyanthus Primrose) . . . . .	6-10 in.	Many shades
TROLLIUS EUROPÆUS (Globe-Flower) . . . . .	18-24 in.	Yellow

## BLOOMING IN MAY

AJUGA GENEVENSIS (Geneva Bugle) . . . . .	8 in.	Blue
AJUGA REPTANS (Carpet Bugle) . . . . .	4 in.	Blue
ANCHUSA MYOSOTIDIFLORA (Siberian Bugloss) . . . . .	12-15 in.	Blue
AQUILEGIA CÆRULEA (Colorado Columbine) . . . . .	18 in.	Blue and white
AQUILEGIA CHRYSANTHA (Golden Columbine) . . . . .	24 in.	Yellow
AQUILEGIA GLANDULOSA (Altai Columbine) . . . . .	12 in.	Blue and white
AQUILEGIA, LONG-SPURRED HYBRIDS . . . . .	24 in.	Many shades
DIANTHUS PLUMARIUS (Grass Pink) . . . . .	12-15 in.	Pink, rose, white
DICENTRA EXIMIA (Fringed Bleeding-Heart) . . . . .	18 in.	Pink
DICENTRA SPECTABILIS (Bleeding-Heart) . . . . .	24-30 in.	Pink
DORONICUM CAUCASICUM (Leopards-Bane) . . . . .	24 in.	Yellow
GEUM MONTANUM (Avens) . . . . .	12 in.	Orange
INCARVILLEA DELAVAYI (Delavay's Incarvillea) . . . . .	12 in.	Pink, purple
LINUM NARBONNENSE (Narbonne Flax) . . . . .	24 in.	Blue
MERTENSIA VIRGINICA (Virginia Bluebells) . . . . .	18 in.	Blue
NEPETA MUSSINI (Catmint) . . . . .	12 in.	Lavender
PHLOX DIVARICATA (Blue Phlox) . . . . .	12 in.	Lavender
PHLOX SUBULATA (Moss Phlox) . . . . .	4- 6 in.	Pink, blue, white
PLATYCODON GRANDIFLORUM (Balloon-Flower) . . . . .	24 in.	Blue, white
POLEMONIUM CÆRULEUM (Greek Valerian) . . . . .	18 in.	Blue
POLEMONIUM REPTANS (Creeping Polemonium) . . . . .	8-10 in.	Blue
PRIMULA DENTICULATA CACHEMIRIANA (Kashmir Primrose) . . . . .	12-18 in.	Blue, purple
STATICE ARMERIA (Thrift) . . . . .	6 in.	Pink
THALICTRUM AQUILEGIFOLIUM (Meadow-Rue) . . . . .	18-36 in.	White, purple
TROLLIUS ASIATICUS (Globe-Flower) . . . . .	24 in.	Orange
TROLLIUS EUROPÆUS (Globe-Flower) . . . . .	24 in.	Yellow
VERONICA GENTIANOIDES (Speedwell) . . . . .	24 in.	Blue
VIOLA CORNUTA (Tufted Pansy) . . . . .	6-10 in.	Many shades

## BLOOMING IN JUNE

	HEIGHT	COLOR
ANCHUSA ITALICA (Dropmore Bugloss)	36-60 in.	Deep blue
ANTHEMIS TINCTORIA (Yellow Camomile)	18 in.	Yellow
ASTILBE DAVIDI (David Astilbe)	60 in.	Pink
ASTILBE GRANDIS (Great Astilbe)	60 in.	White
ASTILBE JAPONICA (Japanese Astilbe)	24 in.	Pink, white
BAPTISIA AUSTRALIS (Wild Indigo)	30-48 in.	Dark blue
BAPTISIA TINCTORIA (Yellow Wild Indigo)	30-48 in.	Yellow
CAMPANULA CARPATICA (Carpathian Bellflower)	8 in.	Blue, white
CAMPANULA PERSICIFOLIA (Peachleaf Bellflower)	24-36 in.	Blue, white
CAMPANULA ROTUNDIFOLIA (Harebell)	9-12 in.	Violet-blue
CERASTIUM TOMENTOSUM (Snow-in-Summer)	6 in.	White
CHRYSANTHEMUM COCCINEUM (Painted Lady)	24 in.	Many shades
CHRYSANTHEMUM MAXIMUM (Shasta Daisy)	24 in.	White
COREOPSIS GRANDIFLORA (Big Coreopsis)	36 in.	Yellow
DELPHINIUM BELLADONNA (Delphinium)	24 in.	Pale blue
DELPHINIUM BELLAMOSUM	24 in.	Deep blue
DELPHINIUM HYBRIDS	48-60 in.	Many shades
DIANTHUS BARBATUS (Sweet William)	18 in.	Many shades
DIANTHUS LATIFOLIUS (Double Cluster Pink)	12-18 in.	Crimson
DIANTHUS PLUMARIUS (Grass Pink)	12-18 in.	Many shades
DIGITALIS AMBIGUA (Yellow Foxglove)	36 in.	Yellow
GYPHOPHILA PANICULATA (Babys-Breath)	30 in.	White
GYPHOPHILA REPENS (Creeping Gypsophila)	10 in.	White
HELIANTHEMUM CHAMÆCISTUS (Sun-Rose)	6 in.	Yellow, red, orange, pink, white
HEMEROCALLIS AURANTIACA (Orange Day-Lily)	36 in.	Orange
HEMEROCALLIS DUMORTIERI (Early Day-Lily)	18 in.	Orange
HEMEROCALLIS FLAVA (Lemon Day-Lily)	24 in.	Lemon-yellow
HEMEROCALLIS FULVA (Tawny Day-Lily)	36 in.	Dull orange
HEMEROCALLIS MIDDENDORFFI (Amur Day-Lily)	24 in.	Yellow
HESPERIS MATRONALIS (Rocket)	36 in.	Purple-white
LINUM PERENNE (Perennial Flax)	18 in.	Blue
MYOSOTIS ALPESTRIS (Alpine Forget-Me-Not)	6 in.	Blue
ŒNOTHERA MISSOURIENSIS (Ozark Sundrop)	12 in.	Yellow
ŒNOTHERA SPECIOSA (White Sundrop)	12 in.	White
PÆONIA (Peony)	18-36 in.	White, pink, red
PAPAVER NUDICAULE (Iceland Poppy)	12 in.	Yellow, white, orange
PAPAVER ORIENTALE (Oriental Poppy)	36 in.	Scarlet, pink
PENTSTEMON BARBATUS (Pentstemon)	36 in.	Rose-pink
PHLOX SUFFRUTICOSA, MISS LINGARD (Smooth Phlox)	24 in.	White
PLATYCODON GRANDIFLORUM (Balloon-Flower)	24 in.	Blue, white
POLEMONIUM CÆRULEUM (Greek Valerian)	18 in.	Blue
PRIMULA AURICULA (Auricula)	12 in.	Many shades
PRIMULA JAPONICA (Japanese Primrose)	24 in.	Crimson to white
SCABIOSA CAUCASICA (Caucasian Scabiosa)	24 in.	Lavender, white
STATICE ARMERIA (Thrift)	6 in.	Pink
THALICTRUM AQUILEGIFOLIUM (Meadow-Rue)	18-36 in.	White, purple
TROLLIUS ASIATICUS (Globe-Flower)	24 in.	Orange
TROLLIUS EUROPÆUS (Globe-Flower)	24 in.	Yellow
VERBASCUM PHŒNICEUM (Purple Mullein)	18-24 in.	Many shades
VERONICA GENTIANOIDES (Speedwell)	24 in.	Blue

VERONICA SPICATA (Spike Speedwell) . . . . .	
VIOLA CORNUTA (Tufted Pansy) . . . . .	

## BLOOMING IN JULY

ANCHUSA ITALICA (Dropmore Bugloss) . . . . .	
ANTHEMIS TINCTORIA (Yellow Camomile) . . . . .	
ASTILBE DAVIDI (David Astilbe) . . . . .	
ASTILBE GRANDIS (Great Astilbe) . . . . .	
BAPTISIA AUSTRALIS (Wild Indigo) . . . . .	
BAPTISIA TINCTORIA (Yellow Wild Indigo) . . . . .	
CAMPANULA CARPATICA (Carpathian Bellflower) . . . . .	
CAMPANULA GLOMERATA (Danes-blood) . . . . .	
CAMPANULA PERSICIFOLIA (Peachleaf Bellflower) . . . . .	
CHRYSANTHEMUM MAXIMUM (Shasta Daisy) . . . . .	
CLEMATIS RECTA (Ground Clematis) . . . . .	
DELPHINIUM BELLADONNA (Delphinium) . . . . .	
DELPHINIUM BELLAMOSUM . . . . .	
DELPHINIUM HYBRIDS . . . . .	
DICENTRA EXIMIA (Fringed Bleeding-Heart) . . . . .	
DIGITALIS AMBIGUA (Yellow Foxglove) . . . . .	
GEUM CHILOENSE (Avens) . . . . .	
Gypsophila PANICULATA (Babys-Breath) . . . . .	
HELIANTHEMUM CHAMÆCISTUS (Sun-Rose) . . . . .	
HEMEROCALLIS (Day-Lily) . . . . .	
HEUCHERA SANGUINEA (Coral Bells) . . . . .	
LAVANDULA VERA (Lavender) . . . . .	
LINUM PERENNE (Perennial Flax) . . . . .	
MONARDA DIDYMA (Bee-Balm) . . . . .	
ENOTHERA FRUTICOSA (Sundrop) . . . . .	
PAPAVER NUDICAULE (Iceland Poppy) . . . . .	
PENTSTEMON BARBATUS (Pentstemon) . . . . .	
PHLOX PANICULATA (Garden Phlox) . . . . .	
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PLATYCODON GRANDIFLORUM (Balloon-Flower) . . . . .	
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STATICE ARMERIA (Thrift) . . . . .	
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VERBASCUM PHENICEUM (Purple Mullein) . . . . .	
VERONICA SPICATA (Spike Speedwell) . . . . .	
VIOLA CORNUTA (Tufted Pansy) . . . . .	

## BLOOMING IN AUGUST

ANEMONE HUPEHENSIS . . . . .	
CAMPANULA CARPATICA (Carpathian Bellflower) . . . . .	
CAMPANULA PYRAMIDALIS (Chimney Bellflower) . . . . .	
CHRYSANTHEMUM MAXIMUM (Shasta Daisy) . . . . .	
CLEMATIS RECTA (Ground Clematis) . . . . .	
DELPHINIUM BELLADONNA (Delphinium) . . . . .	
DELPHINIUM BELLAMOSUM . . . . .	

HEIGHT	COLOR
12 in.	Purple
6-10 in.	Many shades
36-60 in.	Deep blue
18 in.	Yellow
60 in.	Pink
60 in.	White
30-48 in.	Dark blue
30-48 in.	Yellow
8 in.	Blue, white
18 in.	Violet
24-36 in.	Blue, white
24 in.	White
48 in.	White
24 in.	Pale blue
24 in.	Deep blue
48-60 in.	Many shades
18 in.	Pink
36 in.	Yellow
24 in.	Scarlet
30 in.	White
6 in.	Yellow, orange, pink, red, white
18-36 in.	Yellow, orange
12-18 in.	Crimson
12-24 in.	Blue
18 in.	Blue
36 in.	Red
18 in.	Yellow
12 in.	Yellow, orange, white
36 in.	Rose-pink
24 in.	Many shades
36-48 in.	Pink, white
24 in.	Blue, white
18 in.	Blue
24 in.	Lavender, white
12 in.	Purple
6 in.	Pink
24 in.	Orange-yellow
18-24 in.	Many shades
12 in.	Purple
6-10 in.	Many shades
12 in.	Pink
8 in.	Blue, white
48-60 in.	Blue
24 in.	White
48 in.	White
24 in.	Pale blue
24 in.	Deep blue

## Blooming in August, continued

	HEIGHT	COLOR
DELPHINIUM HYBRIDS . . . . .	48-60 in.	Many shades
DIANTHUS LATIFOLIUS (Double Cluster Pink) . . . . .	12-18 in.	Crimson
DICENTRA EXIMIA (Fringed Bleeding-Heart) . . . . .	18 in.	Pink
LINUM PERENNE (Perennial Flax) . . . . .	18 in.	Blue
LOBELIA CARDINALIS (Cardinal Flower) . . . . .	24-36 in.	Scarlet
NEPETA MUSSINI (Catmint) . . . . .	12 in.	Lavender
CENOTHERA MISSOURIENSIS (Ozark Sundrop) . . . . .	12 in.	Yellow
PHLOX PANICULATA (Garden Phlox) . . . . .	24 in.	Many shades
PHLOX SUFFRUTICOSA, MISS LINGARD (Smooth Phlox) . . . . .	24 in.	White
PHYSOSTEGIA VIRGINIANA (False Dragonhead) . . . . .	36-48 in.	Pink, white
PLATYCODON GRANDIFLORUM (Balloon-Flower) . . . . .	24 in.	Blue, white
SALVIA AZUREA GRANDIFLORA (Azure Sage) . . . . .	48 in.	Light blue
SALVIA PITCHERI (Pitcher Sage) . . . . .	48 in.	Dark blue
SCABIOSA CAUCASICA (Caucasian Scabiosa) . . . . .	24 in.	Lavender, white
SCABIOSA JAPONICA (Japanese Scabiosa) . . . . .	24 in.	Lavender
STOKESIA LAEVIS (Stokesia) . . . . .	18 in.	Lavender and white
VERONICA LONGIFOLIA SUBSESSILIS (Clump Speedwell) . . . . .	30-36 in.	Violet-blue

## BLOOMING IN SEPTEMBER AND OCTOBER

ANEMONE JAPONICA (Japanese Anemone) . . . . .	36 in.	Pink, white
ASTER CORDIFOLIUS (Blue Wood Aster) . . . . .	48 in.	Lavender
ASTER NOVÆ-ANGLIÆ (New England Aster) . . . . .	48-60 in.	Purple
ASTER NOVI-BELGI (New York Aster) . . . . .	24-60 in.	Many shades
CAMPANULA CARPATICA (Carpathian Bellflower) . . . . .	8 in.	Blue, white
CHRYSANTHEMUM (Hardy) . . . . .	24-36 in.	Many shades
DELPHINIUM BELLADONNA (Delphinium) . . . . .	24 in.	Pale blue
DELPHINIUM BELLAMOSUM . . . . .	24 in.	Deep blue
DELPHINIUM HYBRIDS . . . . .	48-60 in.	Many shades
DIANTHUS LATIFOLIUS (Double Cluster Pink) . . . . .	12-18 in.	Crimson
DICENTRA EXIMIA (Fringed Bleeding-Heart) . . . . .	18 in.	Pink
EUPATORIUM CELESTINUM (Mist-Flower) . . . . .	24 in.	Blue
LOBELIA CARDINALIS (Cardinal Flower) . . . . .	24-36 in.	Scarlet
LOBELIA SIPHILITICA (Blue Lobelia) . . . . .	24-30 in.	Blue
PHYSOSTEGIA VIRGINIANA (False Dragonhead) . . . . .	36-48 in.	Pink, white
PLATYCODON GRANDIFLORUM (Balloon-Flower) . . . . .	24 in.	Blue, white
SALVIA GREGGI (Autumn Sage) . . . . .	48 in.	Red
SALVIA NEMOROSA (Violet Sage) . . . . .	48 in.	Purple
SALVIA PATENS (Gentian Sage) . . . . .	48 in.	Dark blue
SCABIOSA CAUCASICA (Caucasian Scabiosa) . . . . .	24 in.	Lavender, white
SCABIOSA JAPONICA (Japanese Scabiosa) . . . . .	24 in.	Lavender
VIOLA CORNUTA (Tufted Pansy) . . . . .	6-10 in.	Many shades



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